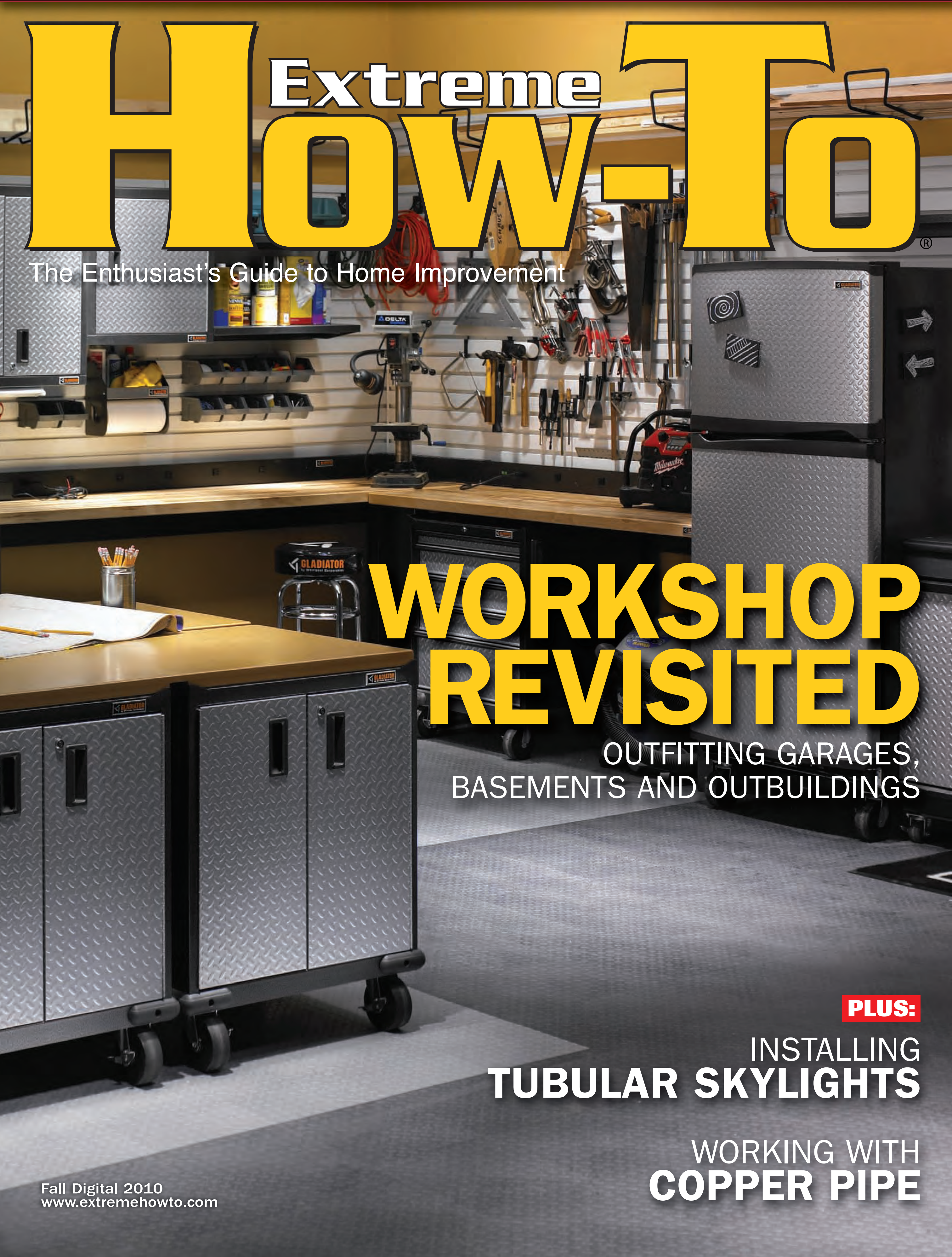
Insulate Your Basement By Installing A Floating Subfloor

Extreme How-To®

The Enthusiast's Guide to Home Improvement



WORKSHOP REVISITED

OUTFITTING GARAGES, BASEMENTS AND OUTBUILDINGS

PLUS:

INSTALLING
TUBULAR SKYLIGHTS

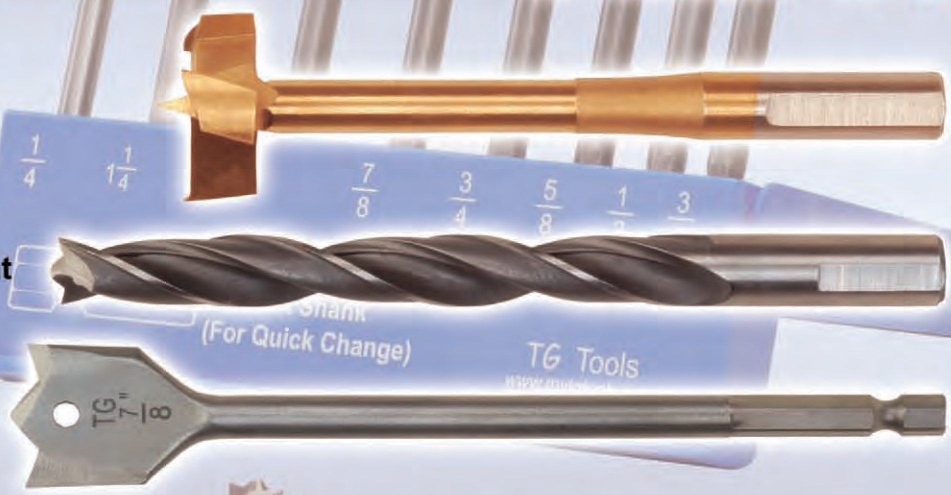
WORKING WITH
COPPER PIPE

Fall Digital 2010
www.extremehowto.com

TG®
KIK®
PRO SERIES

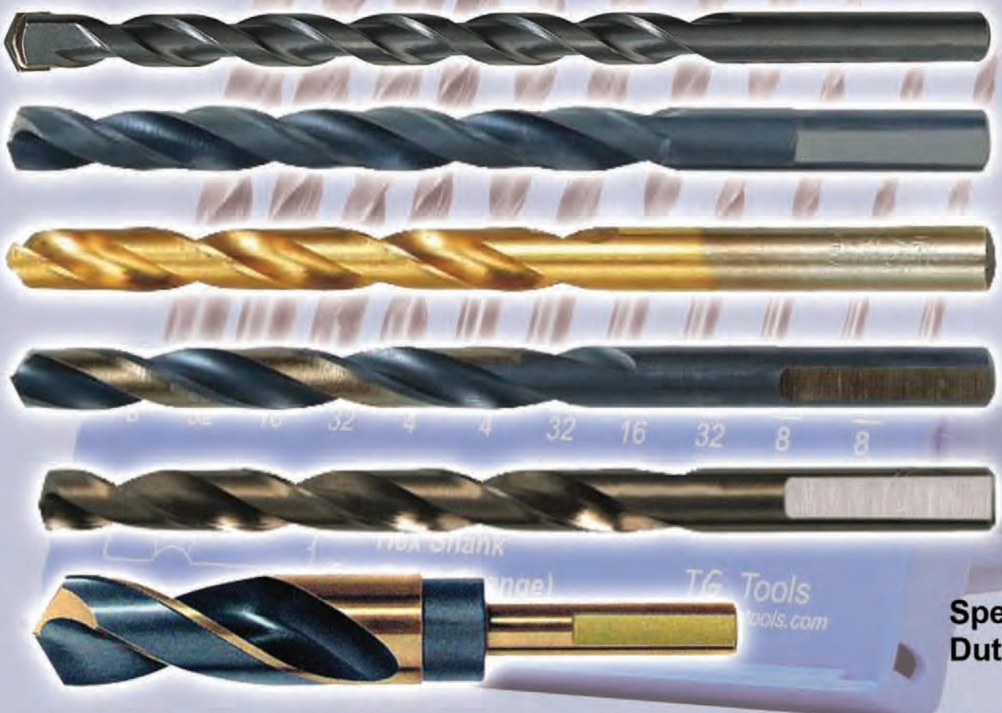
www.MyTGTools.com
YOUR ONE SOURCE SOLUTION

FASTER
EASIER
CLEANER



KIK® Forstner Bit
KIK® HS Brad Point
KIK® Spade Bit

135° Split Point start from Contact
3-flat shank, less chuck slippage



Concrete	Stronger, Faster Less Walking
High Speed	General Purpose
Titanium Coated High Speed	Longer Lasting
Heavy Duty	Heavy Duty Steel Usage
Solid Cobalt	Heavy Duty Steel Usage
S&D	Special Use Heavy Duty Steel Usage

www.MyTGTools.com 1-800-687-4122
TG® Tools • 1010 Cedar Ave. • St. Charles, IL 60174 • ph 800-687-4122 • fax 630-584-4722

(For Quick Change)
TG Tools

TG® KIK® PRO SERIES

www.MyTGTools.com

YOUR ONE SOURCE SOLUTION

FASTER
EASIER
CLEANER

KIK® Forstner Bit

KIK® HS Brad Point

KIK® Spade Bit

135° Split Point start from Contact
3-flat shank, less chuck slippage

Concrete	Stronger, Faster Less Walking
High Speed	General Purpose
Titanium Coated High Speed	Longer Lasting
Heavy Duty	Heavy Duty Steel Usage
Solid Cobalt	Heavy Duty Steel Usage
S&D	Special Use Heavy Duty Steel Usage

Don't Miss Our Half-Hour Interviews:

November 13th 4:00 PM
December 4th 11:30 AM
January 8th 2011 5:00 PM
February 5th 2011 11:00 AM

Home TALK·USA WITH Michael King THE CAJUN CONTRACTOR

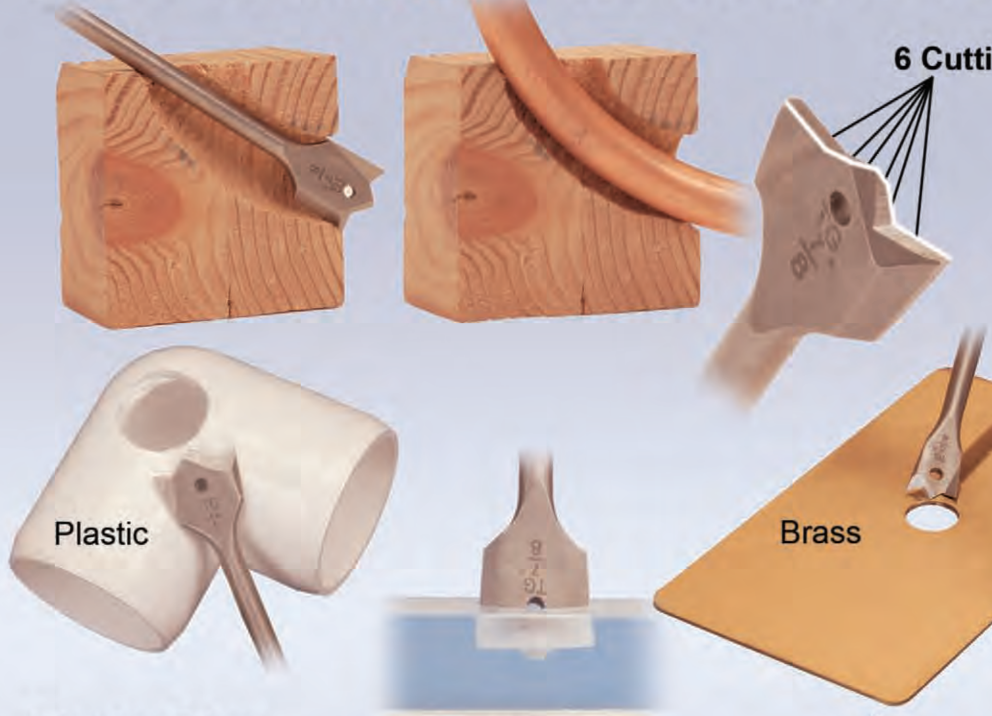
ON AIR

lifestyle TalkRadio Network

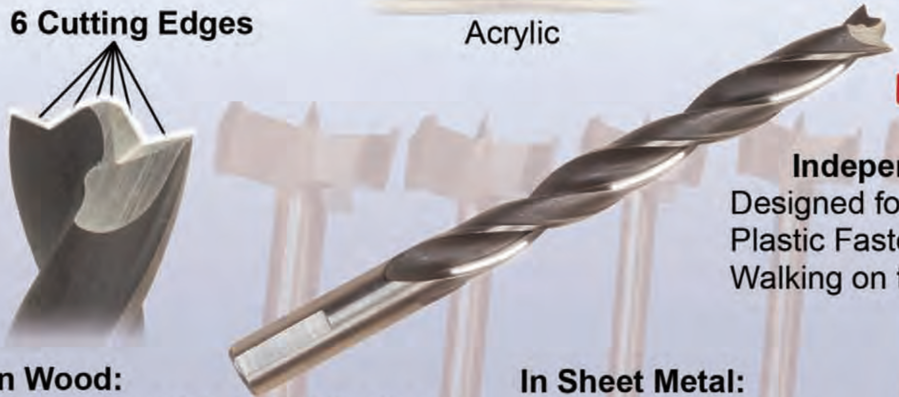
www.MyTGTools.com/kik1.php 1-800-687-4122

TG® Tools • 1010 Cedar Ave. • St. Charles, IL 60174 • ph 800-687-4122 • fax 630-584-4722

We Put a KIK® in Your Boring Tasks!



The revolutionary **KIK® Spade Bit** has over 30% more cutting surface making them much faster and longer lasting than standard spade bits. There is no protruding tang to bend or break allowing these bits to even bore non-ferrous sheet metals and curved holes too! Tested and Proven Superior by an Independent Lab.



KIK® HS Brad Point

Independent Lab Tested and Proven

Designed for Drilling Sheet Metal, Wood and Plastic Faster, Cleaner with Longer Life and no Walking on the Surface.

In Wood:
- **Approximately 100% Faster** Compared to Common Brad Point
- **40% Faster** Compared to Standard Drill Bits

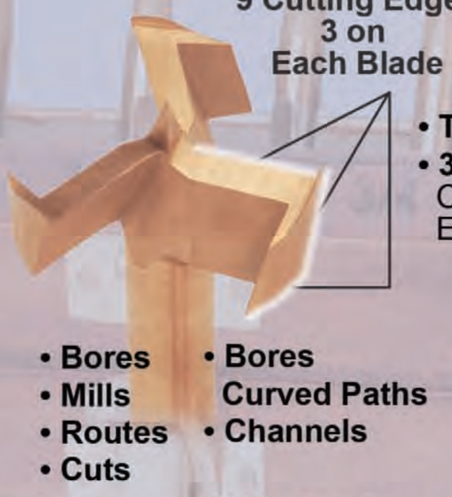
In Sheet Metal:
- **50% Cleaner** Entry
- Consistently **Round Hole**
- **20% Less Walking**

In Acrylic:
- **No cracking** Drilling Acrylic
- **150% Faster** Compared to Standard Drills
- **690% Faster** Than Other Brad Points

KIK® Forstner Bit

Proven Superior by an Independent Lab

Cleaner Entry and Exit



- **Titanium Coated**
- **3-Flat Shank**
  Open Head Design for no Clogging
  Easy Drilling and Direction Control

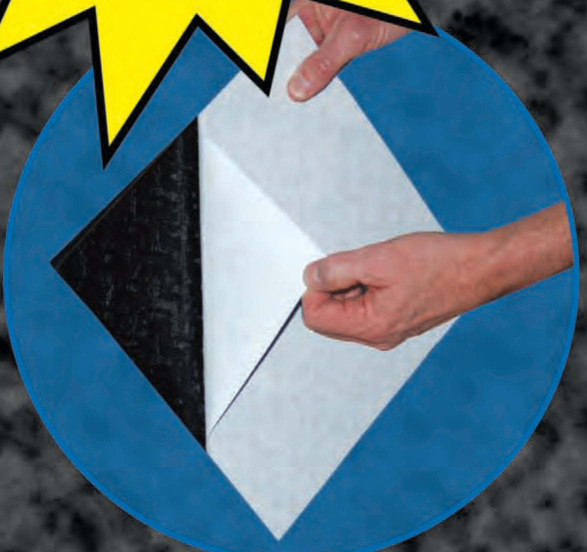
- **Bores through Hard Woods 100% Faster** Compared to Standard Forstners
- **Bores**
- **Mills**
- **Routes**
- **Cuts**
- **Bores Curved Paths**
- **Channels**
- **Bores Through Acrylics Cleanly Without Melting** Able to Bore 90 Degree Curved Paths

www.MyTGTools.com/kik1.php 1-800-687-4122

TG® Tools • 1010 Cedar Ave. • St. Charles, IL 60174 • ph 800-687-4122 • fax 630-584-4722

- Beautifies garages, shops, & work areas
- Easy to install & custom fit
- Hides cracks and stains
- Helps prevent concrete damage
- Reduced noise
- Insulates
- Cushions floor
- Reduces amount of dirt tracked into home
- Durable—5-year warranty
- Virtually seals floor
- Non-porus surface

Easy
Peel & Stick
Application



BLT
Better Life Technology LLC

Contact BLT for purchase locations
customerservice@bltllc.com
www.jumbo-floor-tile.com
Qualified distributors—please apply

MADE IN USA

Patents Pending

G-FLOOR®

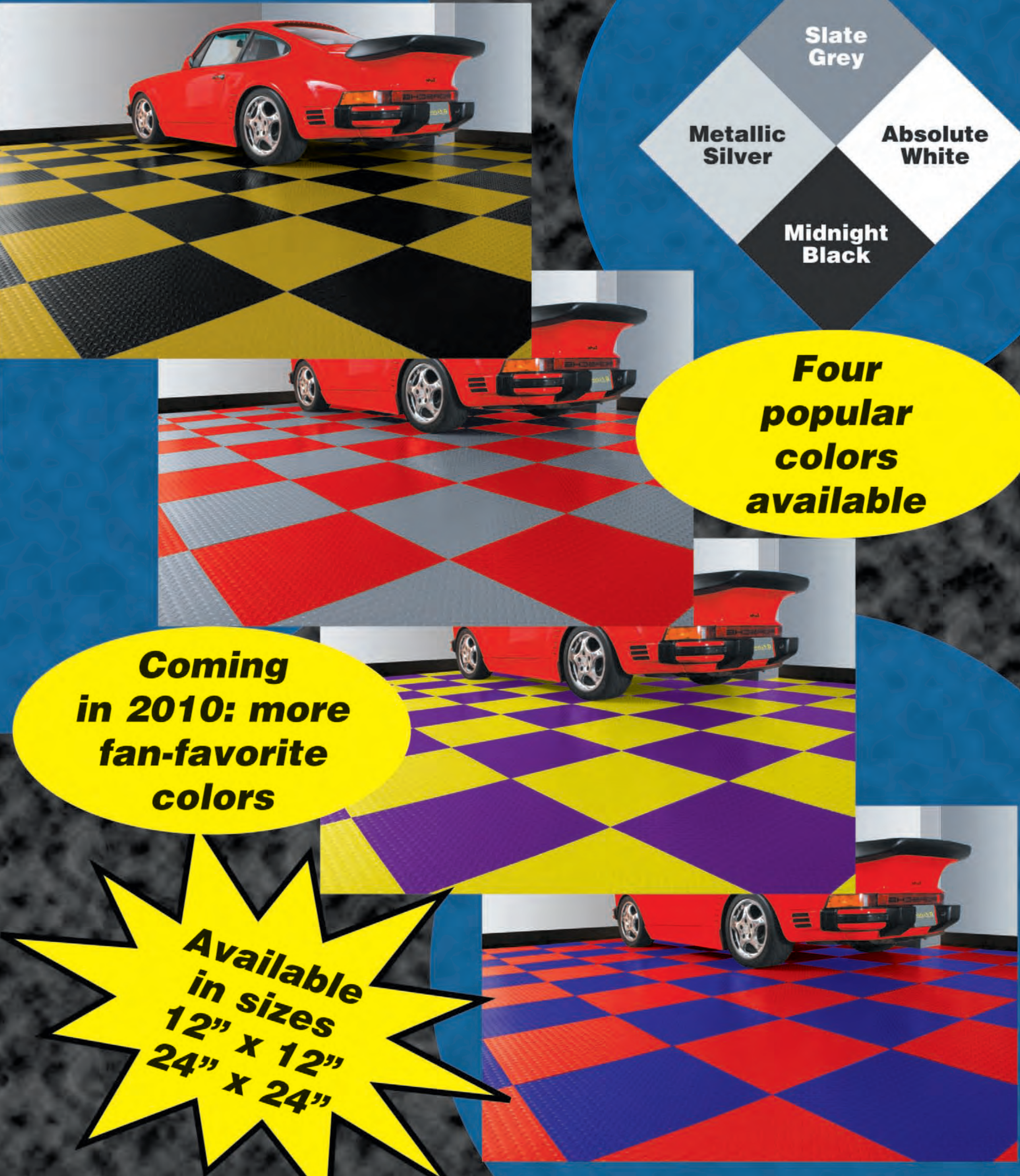
RaceDay Peel & Stick Floor Tile

Slate Grey

Metallic Silver

Absolute White

Midnight Black



Four popular colors available

Coming in 2010: more fan-favorite colors

Available in sizes 12" x 12" 24" x 24"

CONTENTS

Fall **2010**

FEATURES

40 **Warm Feet**
Insulate your basement by installing a floating subfloor.

52 **Capturing the Sun**
Tubular skylights bring natural light indoors.

DEPARTMENTS

8 **Q & A**

14 **Tool School**
Get Organized

32 **Do-It-Yourself**
Armor your Floor

62 **Project Next**
Working with Copper Pipe

70 **Hot Products**

HITACHI
C 12FCH
LASER
14

CALL NOW! 1-888-376-5258

AMERICAN GARAGE®

GARAGE FLOORING | GARAGE PLANS | CABINETS & STORAGE | ORGANIZATIONAL PRODUCTS | GARAGE GADGETS | AUTOMOTIVE ACCESSORIES

LOWEST PRICE! FREE SHIPPING! On BLT Roll Out Garage Flooring!

BLT Better Life Technology LLC

American Garage® is a showroom and Internet destination like nothing you have ever seen before. Our garage flooring products help you design the perfect garage and shop space or to just organize and enhance your existing space. American Garage® has focused on a strong mix of quality, service and price...

Click here for the full story.

CLICK FOR MAP

VISIT US AT OUR WAREHOUSE:
6130 ASHEVILLE HWY
PISGAH FOREST, NC 28768

DESIGN THE PERFECT GARAGE

Specializing in both garage flooring and virtually every other garage accessory, American Garage® was created to help you determine the right garage flooring for your needs, storage cabinets for your specific application and garage organizers of every type and style.

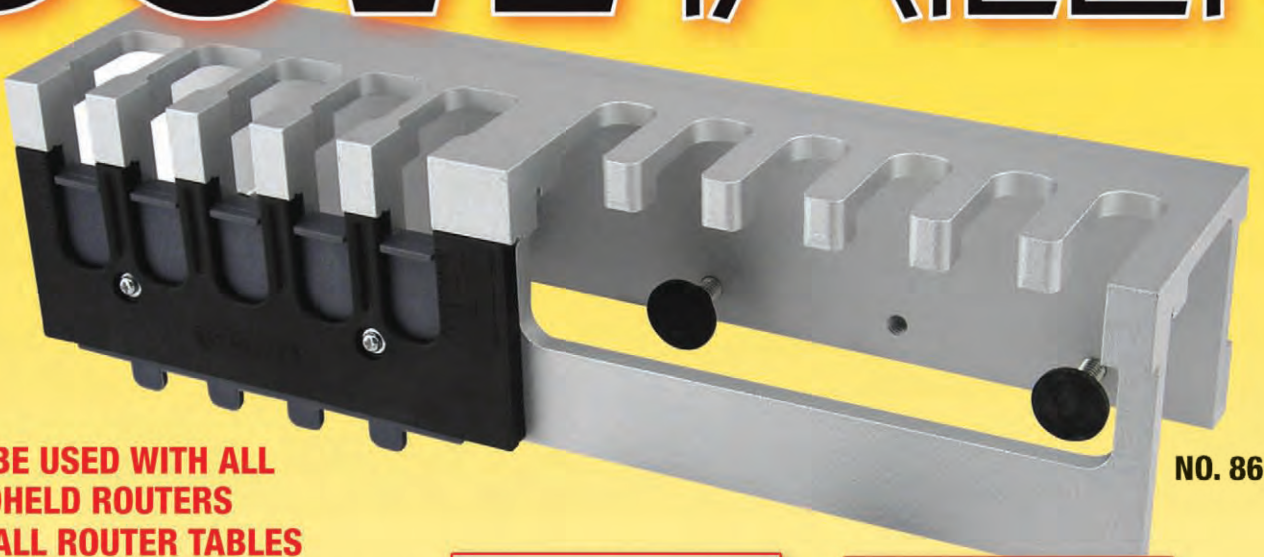
americangarage.com

OUR PARTNERS
RaceDeck | BLT G-Floor | COVERCRAFT | diamondLife | Diamond Garage Interiors | storeWALL Heavy Duty | Bench Solution

E•Z Pro™

Cuts Dovetail Joints with Your Router!

THE DOVETAILER™



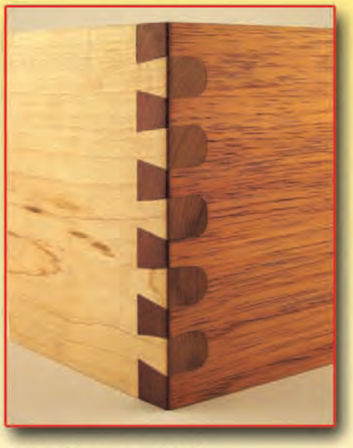
NO. 860

CAN BE USED WITH ALL HANDHELD ROUTERS AND ALL ROUTER TABLES

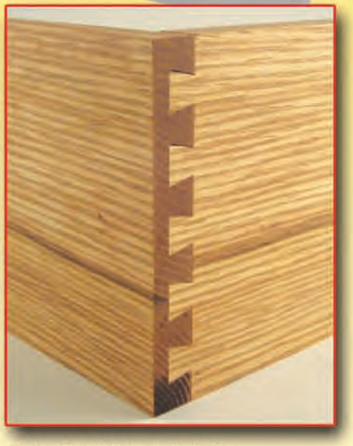
With the DOVETAILER™ Jig and your router, you can cut professional Through or Half Blind Dovetail Joints, simply and accurately . . . *Right Out of the Box!*

- Accommodates boards of any width
- Includes 1/2" Dovetail Router Bit

Includes 1/2" Dovetail Router Bit



Cuts Through Joints



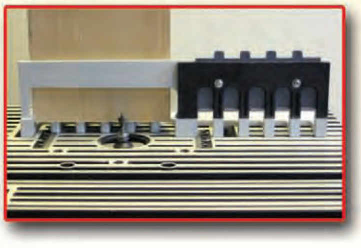
Cuts Half-Blind Joints

EASY TO USE FOR THE BEGINNER AND THE PROFESSIONAL

- Self-aligning design ensures that both ends of the dovetail joint match up evenly every time
- Portable to your work site or work area
- Sturdy machined aluminum construction
- Easily adjust the dovetail interference to create loose or tight joints
- No need to bolt the jig onto workbench like many other expensive Dovetail Jigs
- You bring the jig to the work piece, not the work piece to the jig
- Integrated clamps allow precise clamping of jig to work piece
- Can be used with all handheld Routers or Router Tables

GENERAL
E•Z Pro
DOVETAIL JIG
DOVETAIL JIG
THE DOVETAILER
THE DOVETAILER
No. 860
No. 860

THE EASY WAY TO MAKE PROFESSIONAL FURNITURE JOINTS



E•Z Woodworking

Popular Mechanics EDITOR'S CHOICE AWARDS 2007

For the Professional and the Do-It-Yourselfer

E•Z Pocket Hole Jig Kit

Award Winning Ingenuity!

GENERAL
E•Z Pro
POCKET HOLE JIG KIT
AWARD WINNER!
Popular Mechanics
No. 849

NO. 849

KIT INCLUDES

- 1 Pocket Hole Jig with Clamp
- 3/8" Step Drill Bit & Drill Stop with Hex Wrench
- 6" Steel Square Drive Bit
- Square Drive Screws

SMART DESIGN

- Heavy duty aluminum extrusion & hardened steel drill bushings
- Built to be portable or bench mounted, and designed with a built-in clamping system

THREE TYPES OF POCKET HOLE JOINTS

- Flush, Corner & Angle

Clamp wood in jig

Drill into pre-aligned holes

Assemble flush & corner joints

Assemble angle joints

Woodworking Made Easy!

For more information visit www.generaltools.com/joiningtools

General Tools & Instruments
80 White Street, New York, NY 10013-3567
TEL: 212. 431. 6100 TOLL FREE: 800. 697. 8665

GENERAL®

"It's your job . . .
General Tools make it easier"

Q&A Got a ?

Questions About Home Building, Remodeling? Have Your Own How-To Tip? Visit our website at ***www.extremehowto.com*** *and click on Home Repair Forum.*

Q. *I had an electrician install 22 recessed remodel-style can lights in our basement ceiling. A lot of holes had to be cut for running the new wire. How do I go about re-texturing the knockdown finish to hide the damage?*

A. First, remove the trim rings from the cans so they are flush or slightly recessed into the ceiling. Mask off the lights with tape and newspaper or plastic. Apply a skim coat of drywall mud only over the access patches so the knockdown texture will match evenly. For linear cuts, use drywall tape to conceal the joints and add another skim coat over the tape. Then, texture the patches and a little beyond for a good blend. Practice first on scrap drywall.

……

Q. *I have a leaking copper supply line in the basement. Is there a quick fix for this, or should I call a plumber?*

A. For a quick fix at the pipe joint, try using plumber's epoxy. Disconnect the water supply upstream from the leak and clean away any oil or dust from the surface of the pipe. Plumber's epoxy comes in a clay-like ribbon. Tear off two strips and knead the putty until it covers the leak, following the manufacturer's instructions. Turn back on the water and inspect the area for any leaks. Add more putty if necessary. The plumber's epoxy is only a temporary fix, so you'll soon need to address the issue with a permanent repair.

Other leak-repair options include sleeve clamps, dresser couplings, or 1/16-inch-thick bicycle-tube patch with hose clamps.

Overhead Garage Storage Racks

SafeRacks™
steel overhead garage storage

Easy Do-it-Yourself Installation

20% OFF Coupon Code: exht

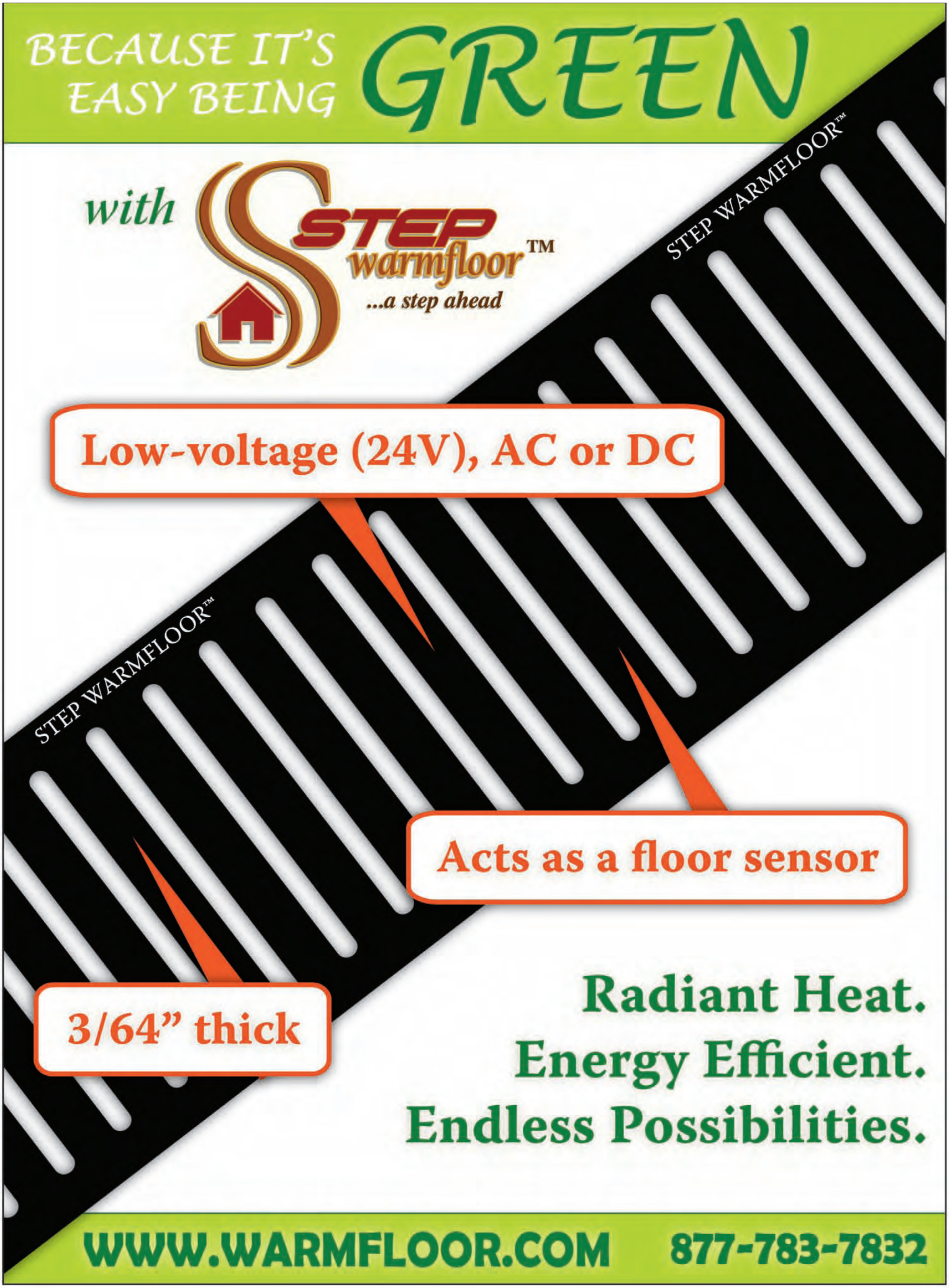
Holds 600 Lbs.

- Use the Space You Already Own!
- Access Your Things Anytime
- Fit the Car Back in the Garage
- Lifetime Warranty
- Certified Installation Available

It's Factory Direct To You!

1-877-655-3443

www.SafeRacks.com


STEP WARMFLOOR™
STEP WARMFLOOR™

BECAUSE IT'S EASY BEING GREEN

with STEP warmfloor™ ...a step ahead

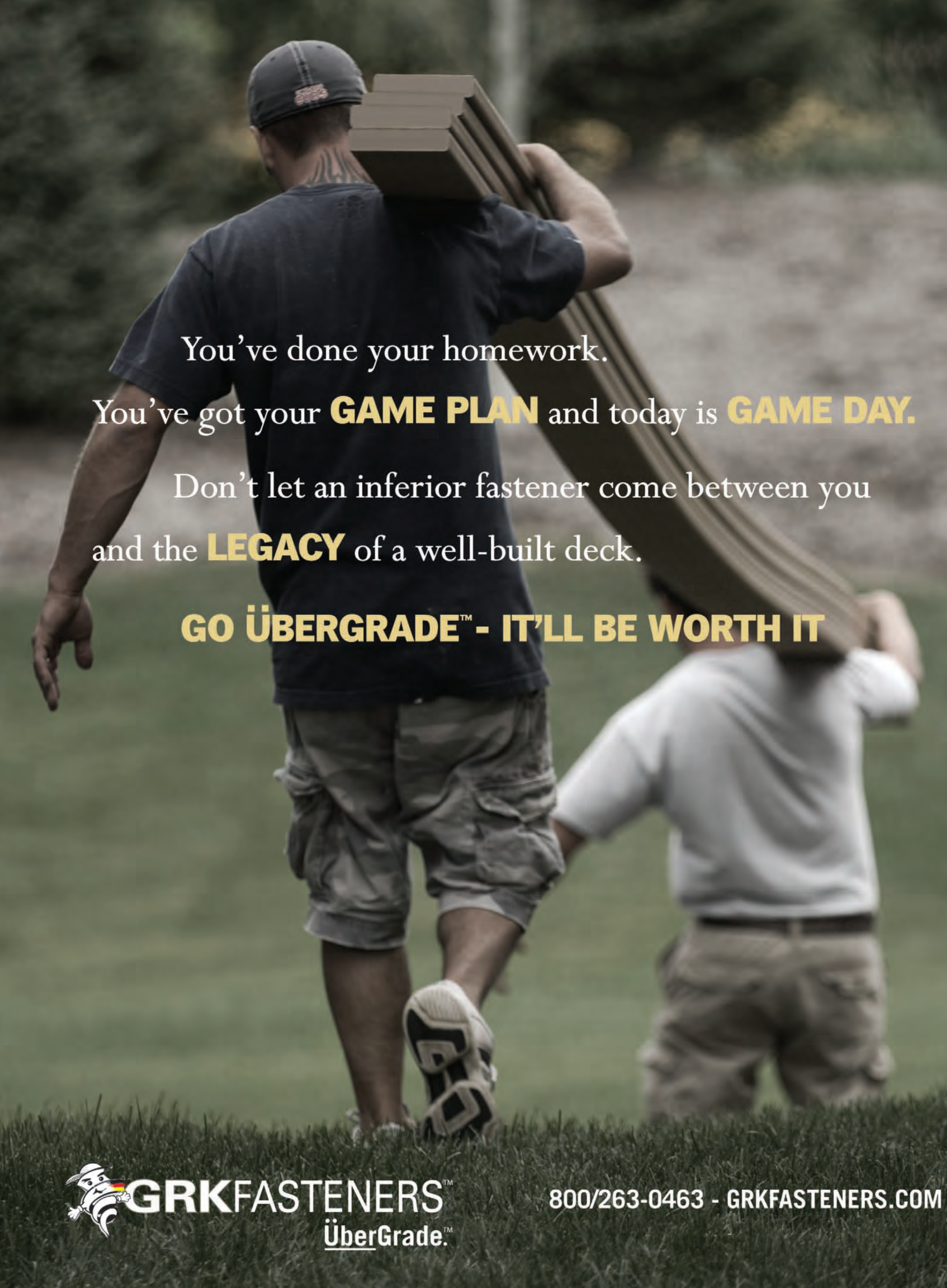
Low-voltage (24V), AC or DC

Acts as a floor sensor

3/64" thick

Radiant Heat.
Energy Efficient.
Endless Possibilities.

WWW.WARMFLOOR.COM 877-783-7832



You've done your homework.

You've got your **GAME PLAN** and today is **GAME DAY.**

Don't let an inferior fastener come between you and the **LEGACY** of a well-built deck.

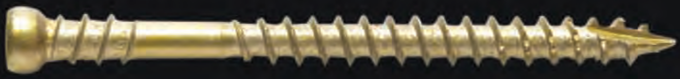
GO ÜBERGRADE™ - IT'LL BE WORTH IT

GRKFASTENERS™
ÜberGrade.™

800/263-0463 - GRKFASTENERS.COM

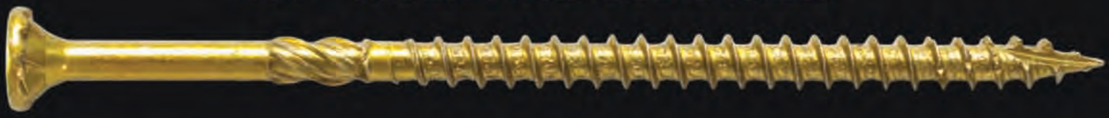
THE GRK FAMILY OF ÜBERGRADE™ DECK FASTENERS

RT/COMPOSITE™ TRIM SCREW



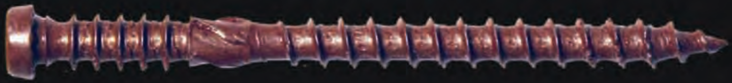
Perfect for composite decking projects in all climates. Its small head and W-Cut™ thread design prevent material splitting and eliminates pre-drilling.

R4™ MULTI PURPOSE SCREW



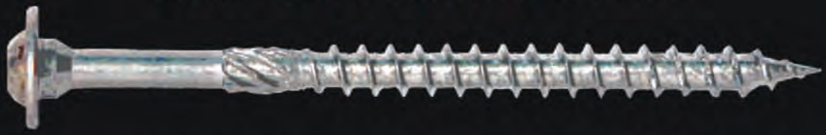
When in doubt, choose the incredibly versatile multipurpose R4. It's ideal for particleboard, cement fiberboard, composite decking and wood decking. It's a self-tapping, self-countersinking marvel.

KAMELEON™ COMPOSITE DECK SCREW



An excellent choice for composite decking. Engineered to cut perfectly clean holes and trap fibers and eliminate mushrooming. Available in six colors.

RSS™ STRUCTURAL SCREW



Say goodbye to lag screws. Self-tapping with high tensile, torque and shear strength, the RSS is a performance beast. Works great with pre-drilled hardware like hinges and connector plates.

©2010 GRK Fasteners

Q&A Got a ?

*Questions About Home Building, Remodeling? Have Your Own How-To Tip? Visit our website at **www.extremehowto.com** and click on Home Repair Forum.*

Q: *I'm considering replacing some rotted wood on my door surround with PVC trim. The trouble is that the paint scheme is dark brown. From what I remember about vinyl siding, it shouldn't be painted a dark color because it would retain too much heat from the sun and melt. Should I rule out PVC for this application?*

A: Because it will not rot, PVC makes an excellent replacement for rotted exterior wood. However, PVC is a thermoplastic so it will start to melt at the given heat point. Our friends at Fypon, a leading manufacturer of synthetic trim products, warns not to paint the PVC with a standard paint that is darker than a LVR (light reflected value) of 54 because of vinyl's heat-absorption properties. Instead, use a lighter color of paint, or a paint made specifically for PVC, such as Sherwin Williams' Vinyl-Safe paint for jobs that require darker colors.

……

Q: *How do I cut glass to repair a broken window pane?*

A: Generally speaking, picture-framing stores and certain hardware stores, such as Lowe's, will cut new glass to spec for a very reasonable fee. However, you can also cut it yourself using a handheld glass cutter. The cut should be made at least 1/2 inch away from the edge of the glass. Place the glass pane on a very flat, solid surface, padded with layers of newspaper. Using a framing square as a guide, draw a line with a grease pencil along the cut line. Then, using the square as a blade guide, score the glass with the cutter. (The tool is not meant to cut completely through the glass.) Align the scored line with the edge of the framing square and tap the score with the handle of the cutter to snap it off. **EHT**

PROTECTRIX™

Automatically closes your garage door when you forget

- Installs in only **5 minutes**
- Completely **Wireless**
- Works with all **existing garage sensors**
- **Adjustable delay time**, easily disabled to leave garage door open

HOW IT WORKS:

Running on a single 9V battery, and using a designed in tilt sensor, Protectrix™ detects when the garage door is open.

When the garage door is open for too long (variable 1 minute to 4 hours), Protectrix™ sets off an alarm (beep and a flash).

If the garage door is not closed before the alarm ends (30 seconds), Protectrix™ sends a signal to your garage door opener to close the garage (the signal sent is the same as the signal sent from your garage door remote control).

Time until garage alarm goes off and door closes:	Adjustable (1min, 2min, 5min, 10min, 20min, 30min, 1hr, 2hr, 4hr)
Alarm:	Prior to close: Audible beep and Flash every second for 30 seconds Battery low: Single Audible Beep and Flash every 90 seconds
Battery Type:	9V/9 Volt alkaline battery (included)
Battery Life:	2 years: depends on temperature, humidity, and how often Protectrix closes your garage door
Product Warranty:	2 month refund, 2 year replacement
Dimensions:	85mm (3 1/3") x 120mm (4 3/4") x 32mm (1 1/4")
Weight:	200g (7 oz)

SETUP AND INSTALLATION:

Step1: Press the "Learn" button until light turns on.

Step 2: Hold down the test switch until unit beeps. Press the switch again and your garage door should open and close.

Step 3: Screw Protectrix back plate to the inside of the garage door. (screws included)

Step 4: Replace the front cover to the back plate mounted on the garage door.

Step 5: Adjust the dial to the delay time you want the Protectrix to wait before closing the garage door.

Protectrix™

Excentual Enterprises, LLC
1080 E Pecos Rd, Suite 18 PMB 605, Chandler AZ 85225
Tel: 800.773.6295 • Fax: 888.636.8593
sales@excentual.com

www.closethegarage.com

ARMSTRONG'S WOOD STAINS

CONTRACTOR TOUGH
Homeowner Friendly

Photo courtesy of Ace Restorations, Pleasanton, California

"Long Lasting, Easy to Apply and a Breeze to Maintain"
— Alan Broom,
Professional Wood Restoration Expert
www.shinebritellc.com

Shipped Directly to Your Door

For FREE sample cans, call or email us now

Photo courtesy of www.thestainshop.com

Manufacturers of VOC-Compliant, Oil-Based Wood Finishes
(800) 916-8211 • www.armclark.com

PLEASE VISIT THE WEB'S PREMIERE SITES FOR OUTDOOR WOOD RESTORATION TOPICS AND DISCUSSIONS,
www.thegrimescene.com/forums www.thewoodpros.com

Get Organized

EHT offers some tips to help organize your workshop

Proper organization of a workshop is important for productivity and safety as well as ease of use and enjoyment.

By Monte Burch

Regardless of whether you have a workshop in a closet, basement, garage or a full-fledged woodworking, mechanics or metal-working shop, organization is the key to productive, safe and enjoyable work. Organization consists of three factors: having the proper tools needed for the specific chores; safe, sturdy work surfaces and areas; and proper tool placement and storage. The amount and types of these three depend on your work needs and habits.

TOOLS OF YOUR TRADE

Basic homeowner repair tools consist of a few hand tools; a hammer, tape measure, hand saw, level, screwdrivers, pliers and a cordless drill/driver. A circular saw and carpenter's square add to the mix for basic carpentry chores. These can be stored in a garage cabinet or better yet, a portable tool box.

The advanced do-it-yourselfer and contractor will require more tools. For the DIY'er this usually means other cordless tools, such as reciprocating saws, corded tools such as sanders and either a benchtop or contractor's table saw. The latter folds up, making it easy to store in a garage, or tote to the job site. Any number of manufacturers offers these tools. One of the top models is the Bosch 4000 series. It features a very smooth folding stand and has a soft-start feature that cuts down on circuit breaker trips—important in new construction where full power may not yet be available.

The next power tool for these types of chores is a miter saw. Some new models feature LCD digital readout and/or a laser marker to indicate cut line. Miter saws are great for many types of carpenter's chore from framing to trim cutting.

Combo cordless tool kits have become increasingly popular. Some programs allow you to mix and match power tools and

HITACHI
C12FCH
LASER

Miter saws are also a "compact" but efficient tool for the small shop, and can be used for framing to trim work.

A NEW WEBSITE. AN EXPERT A CLICK AWAY.

JUST ONE MORE THING YOU CAN
MAKE WITH SAKRETE.

www.sakrete.com

From general questions to project calculators to one-on-one support, we've got you covered at 1-866-SAKRETE or at Sakrete.com. Our new website allows you to quickly locate products, technical information as well as "how-to" videos. At Sakrete, we don't just provide professional-grade products, we offer unmatched customer service and support. So no matter what your project is, our team can help you make it right.

SAKRETE®

www.sakrete.com

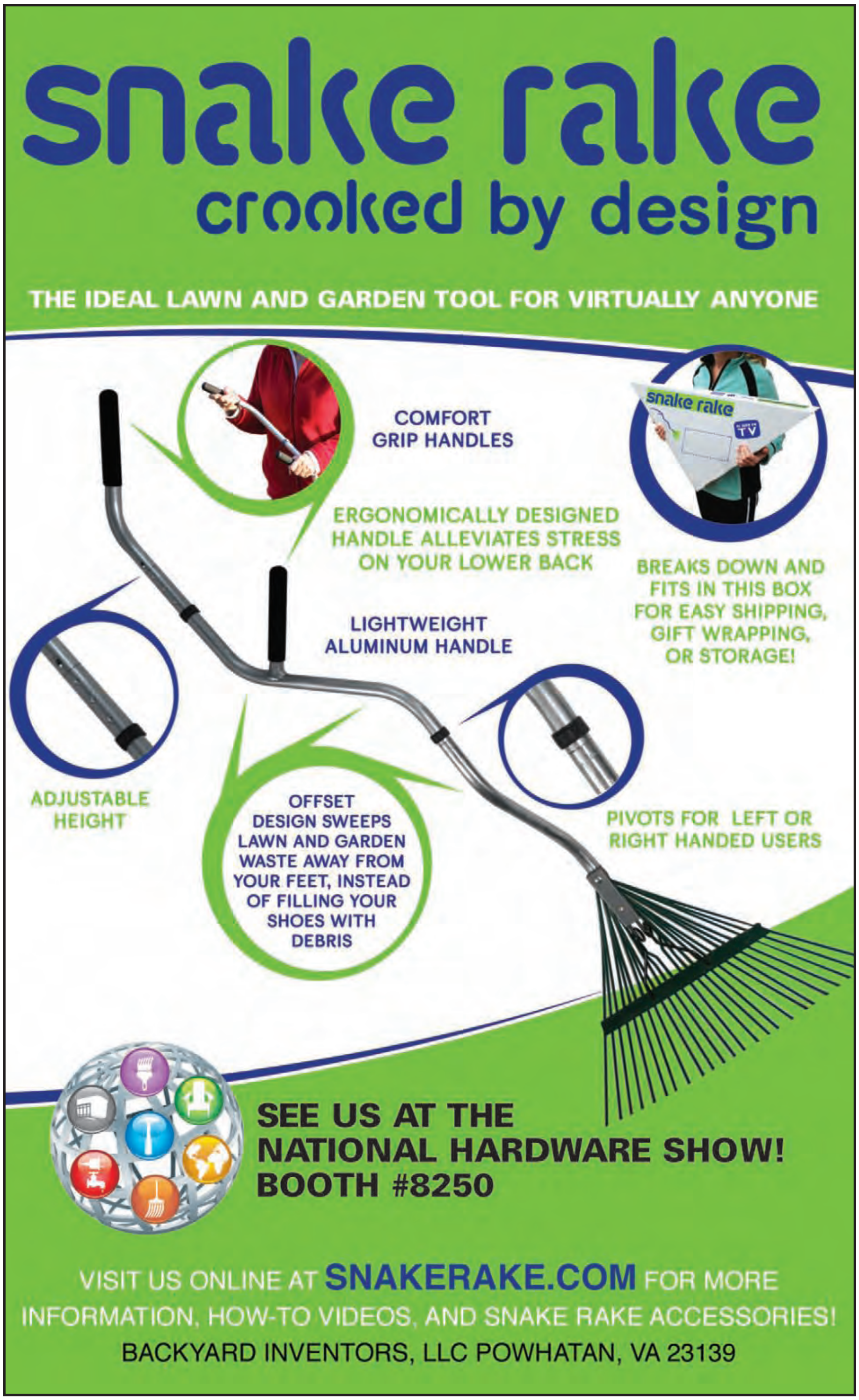
accessories to create custom kits, perfect for either the DIY or professional. New cordless combo kits often include a drill/driver, circ saw, recip saw and even a flashlight.

The next tool category for these chores is an air compressor and air nailer. Specialty air tools are available for plumbing, drywall, concrete and cement, tiling, electrical and paint/finishing. These are best kept in individual tote boxes that can be stored against a garage or shop wall, or on shelves.

Cordless tools are some of the most popular for both homeowners and professionals.

A full-fledged woodworking shop for the advanced hobbyist, furniture or cabinet maker, or contractor who does built-ins and custom finish trim work, requires more tools and more space. Ideally, the shop should have a number of stationary power tools, each with its own work station. These include: a table saw, radial arm saw, miter saw, jointer, planer/moulder, bandsaw, shaper, belt/disc sander, spindle sander, drill press and lathe. Additional tools include: a router with table, mortising machine, dovetail jig, air compressor and air nailers and spray finish guns.

Portable power tools include sanders, routers, circular saws and drill/drivers. And, of course, a full line of hand tools is also required including hand planes, chisels, saws, clamps and measuring tools.


snake rake
crooked by design
THE IDEAL LAWN AND GARDEN TOOL FOR VIRTUALLY ANYONE
COMFORT GRIP HANDLES
snake rake
ERGONOMICALLY DESIGNED HANDLE ALLEVIATES STRESS ON YOUR LOWER BACK
BREAKS DOWN AND FITS IN THIS BOX FOR EASY SHIPPING, GIFT WRAPPING, OR STORAGE!
LIGHTWEIGHT ALUMINUM HANDLE
ADJUSTABLE HEIGHT
OFFSET DESIGN SWEEPS LAWN AND GARDEN WASTE AWAY FROM YOUR FEET, INSTEAD OF FILLING YOUR SHOES WITH DEBRIS
PIVOTS FOR LEFT OR RIGHT HANDED USERS
SEE US AT THE NATIONAL HARDWARE SHOW! BOOTH #8250
VISIT US ONLINE AT SNAKERAKE.COM FOR MORE INFORMATION, HOW-TO VIDEOS, AND SNAKE RAKE ACCESSORIES!
BACKYARD INVENTORS, LLC POWHATAN, VA 23139

ACME TOOLS®
BUILDING • REMODELING • WOODWORKING • LANDSCAPING™

LOW PRICE GUARANTEE
SINCE 1948

FREE SHIPPING
ON ORDERS OVER $99*
*LEARN MORE >

Home | Request a Catalog | About Acme | Find a Location | Customer Service | Advanced Search

SHOP BY CATEGORY | SHOP BY BRAND | SHOP BY TRADE | HOT SMOKIN' DEALS | WHAT'S NEW

The Web's Finest Assortment Of Tools, Equipment and Accessories
For The Woodworker, Contractor and Do-It-Yourselfer.

Over 60 Years of Industry Experience 1948

ACME TOOLS®
BUILDING • REMODELING • WOODWORKING • LANDSCAPING™

acmetools.com

Over 10,000 Items From
Over 150 Vendors!

Log On To Receive
A FREE Catalog!

Phone Order Hotline Open 24/7 • 1-877-345-ACME (2263)

PORTER CABLE · DEWALT · JET · BOSCH · POWERMATIC · makita · DELTA · Milwaukee · freud · IRWIN · HITACHI · GENERAL INTERNATIONAL · Kreg · LENOX · ROCKWELL · Fein · STANLEY · BOSTITCH

Take $20 OFF Your
First Order Over $129!
Use Promo Code: HOWTO
Available Online Only.
Some Product Restrictions Apply.

16 Gallon Wet/Dry Vacuum
With HEPA Filter
Model 16006D
$429.99
Dustless
NEW!
BUY NOW

5 Gallon Heavy Duty
Garage Utility Vac
Easily Mounts To Your Wall!
Model L2310
$199.99
HOOVER
BUY NOW

12V Li-Ion 1/4 In.
Screwdriver Kit
Model DCF610S2
$139.99
DEWALT
NEW!
BUY NOW

3.6V 18 Gauge Gas
Brad Nailer
Model GBT1850K
$249.99
BOSTITCH®
NEW!
BUY NOW

1.5 Hp 2.5 Gallon Low
Speed Compressor
Model FC1250LS3
$189.99
ROLAIR SYSTEMS
BUY NOW

2 In. Brad Nailer And
1 Hp Compressor Kit
Model 977686
$219.99
SENCO BRANDS
BUY NOW

MultiMaster Select Kit
While Supplies Last.
Model FMM250QSELECT
SALE $279.99
WAS $309.99
Fein
BUY NOW

7 In. MK 370 EXP Wet Cutting
Tile Saw
Model 159943
$309.99
MK
BUY NOW

Precision Tool Sharpener
Model 3786
$99.99
WORK SHARP
BUY NOW

Lumber Shelving And
Storage System
Model 99-300
$54.99
BUY NOW

20 Pocket Pro Framers
Combo Apron
And Suspenders
Model DG5617
SALE $79.99
WAS $89.99
DEWALT
BUY NOW

We Reserve The Right To Correct Errors, Limit Quantities And Terminate Any Offer At Any Time. Please Refer To Our Website For Up To Date Pricing.
Sale Prices Expire 10-31-10 Or While Supplies Last.

A metalworking shop will consist of a cut-off saw, welder, drill-press, benders and other specialty items. The home mechanic shop will include a full line of wrenches and other mechanics tools, jacks, engine hoists, air compressor and pneumatic tools, and sheet metal fabricating tools.

In most shops a sharpening/grinding station is also included.

WORK SURFACES AND STATIONS

A good workbench or work surface is invaluable, even for the occasional fixer-upper. An old desk or kitchen table has sufficed more than once as a work surface, but these are often not sturdy. A simple 2-by-4

Hand-tool storage for homeowners can be as simple as a tool box set in a garage corner.

Plumbing & Heating Supplies

Order Online at www.pexsupply.com

Save 5% with coupon code PEXTREME

(Offer Expires 10/29/10)

Real People. Real Service.

PexSupply.com www.pexsupply.com • 888.757.4774

WHAT GOES UP...
comes down **ONLY When Needed.**

DIAMOND STORAGE CONCEPTS RE-INTRODUCES
HYLOFT® CEILING & WALL STORAGE

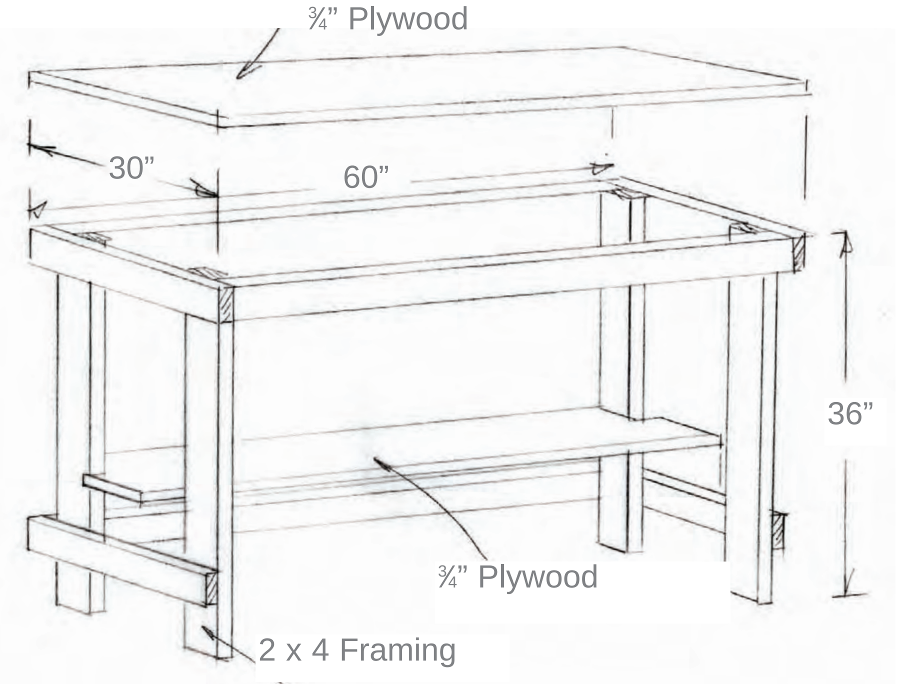
Utilize unused space in your garage, basements, attics, closets, or any room that has functional storage space. HyLoft® Ceiling Storage Units come in a variety of sizes that can accommodate any wasted space. With Super Pro units that hold up to 600 lbs., Hyloft products are a dependable, low cost storage alternative that are easily installed.

HyLoft
Unique Storage

WALL SHELVING **CEILING STORAGE** **ACCESSORIES**

702.685.1700 | www.hyloftstorage.com
5130 W. Patrick Lane | Las Vegas, Nevada 89118

DIAMOND STORAGE CONCEPTS, LLC
MANUFACTURER OF THE HYLOFT® PRODUCT



A simple 2 x 4 workbench is easily made and fairly sturdy.

bench is better and quite simple to build, using a plywood top and bottom shelf. Or you can build as complicated a bench as desired. (Check out *extremehowto.com* to learn how to build your own Classic Woodworking Bench.)

An air-nailer station is a combination workbench, often designed for two working heights, that provides storage for air nailers and other tools.

Any number of workbenches may also be purchased. Woodcraft has a number of these types of benches in traditional European styling. Gladiator Garageworks offers rock-solid benches with table top options in both maple and bamboo.

Sturdy vises mounted on the benches are also necessary.

Kitchens • Foyers • Bathroom Floors
Tub Enclosures • Shower Stalls • Fireplaces

Don't replace your tile floor when you can restore it to **LIKE NEW!**

All-In-One Grout Color Sealer To Revitalize Your Floor’s Surface:

An environmentally friendly tile and grout cleaner is applied to the grout lines and worked into the pores to loosen the embedded dirt.

Our proprietary color sealant is then brushed into the empty pores of your grout to insure even application.

Whole Kit Just $29.95!

BEFORE AFTER

Visit our website for testimonials!

GREAT FOR THE HOMEOWNER, DO-IT-YOURSELFER, AND CONTRACTORS!

1-800-631-0716 www.GroutShields.com

Mold & Mildew Resistant • Over 300 Colors Available
Custom Colors Available Too!

UnderAire™ Crawl Space Ventilators

Quickly reduces moisture helping to protect both home and occupants

Ventilates excess moisture, the cause of mold, mildew and wood rot. Increases air circulation to fight condensation.

Constant operation helps vent radon, treated wood off-gassing and odors that might otherwise migrate into living areas.

AireShare™ Ventilators

Make Hot or Cold Rooms More Comfortable

Room-to-Room **Level-to-Level**

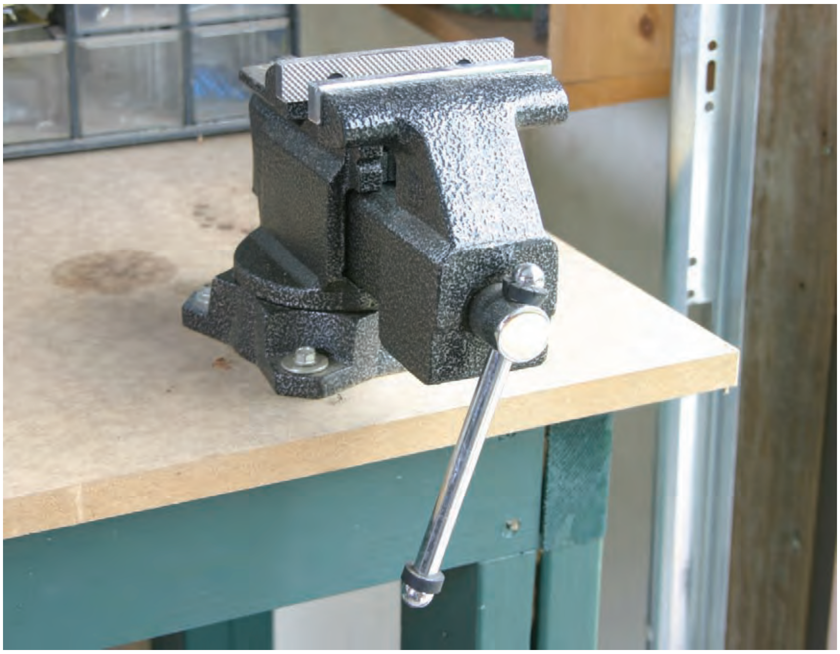
Perfect for
- Split System, PTAC & Window A/C
- Space Heaters, Stoves, Fireplaces & cool lower levels

Tjernlund Products, Inc.
800-255-4208 • tjernlund.com

These include woodworking and bench type vises, such as those available from Columbia (WMH Tool Group).

Roll-around project centers, such as those from Craftsman and Gladiator Garageworks allow rolling tools and materials right to the job. Similarly, Black & Decker's fold-and-store Workmate series have been affordable and portable workshop staples for decades.

Work stations are a very handy way of placing tools and necessary accessories right at hand. And, in organizing or laying out a woodworking shop with stationary tools, it's important to position the tools with the proper work space for the most productive and safest use. Different tools have different requirements. For



Vises for both metal and woodworking are extremely important. They should be located on sturdy benches or work surfaces.

GARAGE Butler
The Automatic Garage Door Closer

45%
OF ALL BURGLARIES OCCUR THROUGH OPEN GARAGE DOORS!

TWO MODELS TO CHOOSE FROM: MODEL 101 ($44.95) AND MODEL 201.

PRE-WIRED, VERY EASY TO INSTALL.

WORKS WITH ALL TYPES OF GARAGE DOOR OPENERS.

ORDER ONLINE!
Only
$59.95
Model 201

The Garage Butler will:

Close your garage door if you forget.

Close it automatically when it gets dark.

MODEL 101 FEATURES 3-30 MINUTE AND DARK TIME SETTINGS

MODEL 201 FEATURES 3-10-20-30-45-60 MINUTE AND DARK TIME SETTINGS

918-274-1037 www.garagecloser.com

instance, a table saw requires some distance in the front and back to move long stock over the saw, as does a jointer and planer/moulding machine. One tactic is to place these tools near a garage door. The door can be opened and long materials run through the machine. The best tactic is to sketch your workshop plan on a sheet of 1/4-inch square graph paper. Using 1/4 inch to represent 1 foot, draw in locations for the specific tools, keeping work space in mind.

Here's another tip to economize space: Radial arm saws, commonly used for precise cutoff work, have extensions on either side to allow for laying long material on the table. I actually use two of these saws in my shop, because my old DeWalt is fitted with a Freud dado head left permanently in place. The tables of the two saws are the same height, providing an extension for either saw. Or you can build an extension as shown in the diagram in this article.

Miter saws also benefit from side extensions, but since they are often toted to the job, a miter stand with retractable extensions is the best answer. New miter stands from Ridgid and Craftsman can be folded to a compact carrying size for easy storage and portability.

Table extensions can also be built for table saws for cutting large sheets of plywood, or for ripping longer pieces. My dad

Extensions can add greatly to the use of miter saws. Accessories such as this Craftsman miter saw stand easily folds to a compact 40-inch size for storage or transportation.

STORAGE WITH STYLE!

Garage Storage / Tool Chests
Organization Cabinets / Wall Cabinets
Custom Cabinets & More!

Mention Extreme How-To for a 10% discount on any purchase from Moduline.
(For a limited time only. Can not be combined with any other offer from Moduline.)
For More Information Call
Toll Free: 888-343-4463
www.modulinegarage.com
MODULINE®
MODULAR ALUMINUM CABINETS

ScreenEx®
Do-It-Yourself Screen Kits

Mention this ad to take advantage of our Special Magazine Offer!

Extra Wide Pull Down Screen
8' wide x 84" tall
at a Special Price of $499.00 each
plus $89 shipping & handling
Add MOTORIZED option with REMOTE CONTROL for an additional $299.00 each
plus shipping & handling
Motorized Remote Control Available
Item: 9684

www.screenex.com • 203-720-1299

Beautiful, versatile, sustainable

western red cedar

Western Red Cedar has unique, natural performance characteristics and exceptional beauty that bring warmth, character and longevity to homes and outdoor living projects around the world. It is this bundle of properties that has made "Cedar" the choice of discerning architects, builders and homeowners.

Western Red Cedar is renowned for its naturally occurring resistance to moisture, decay and insect damage. Its natural durability, dimensional stability and exceptional beauty make it ideal for a wide variety of exterior and interior uses. Western Red Cedar offers enormous versatility in styles and applications. Equally important, it has a low environmental impact relative to other building materials. Western Red Cedar is harvested legally and sustainable from independently certified forests in British Columbia.

Enhance the beauty of your next outdoor project, build with Western Red Cedar. For more information and suppliers near you, please visit our website.

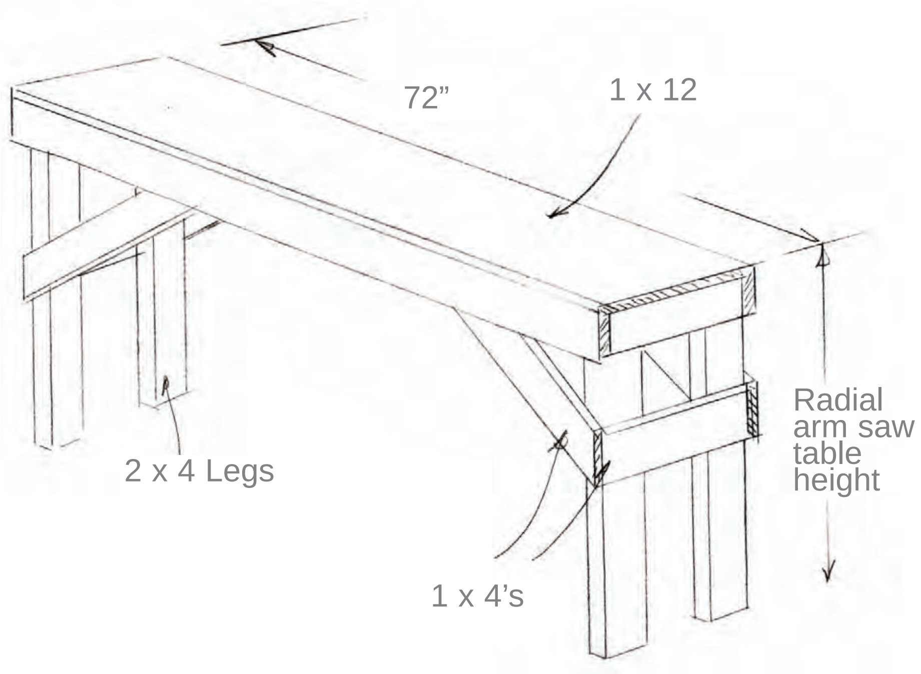
www.wrcla.org

1.866.778.9096

REAL CEDAR
WRCLA

used a 4-by-8-foot table at table-saw height as an extension. He also used the same table as an assembly table. I inherited the table and used it for many years, but invariably when I needed to rip something, the table was cluttered or in use for assembly. A portable roller stand that is adjustable in height can help support off-feed materials from table saws, router tables, planer/moulders and shapers.

One excellent alternative for stationary tools, especially if space is at a premium, is to place them on roll-around bases. Delta offers their own version for their specific tools. Heavy power tools such as table saws, band saws and radial arm saws are easily



An shop-made extension can allow you to get more work from your radial arm saw.

"I fixed it faster than I broke it!"

"Sometimes things break when you're fixing them. Mostly they come in broke. Now instead of throwing parts away, I make instant repairs using **RapidFix** adhesive and welding powder. Glue it. Fill it. Then grind, drill and paint it, instantly. **Can your glue do that?"**

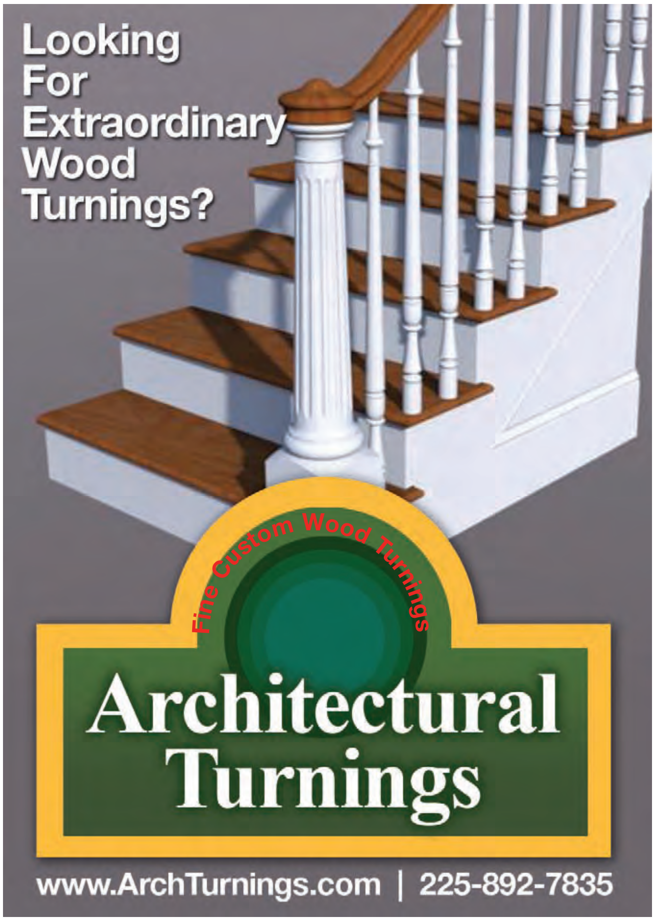
Demo DVD in every pack!

PTEN TOP 100 2009

See this amazing product in action
Go to YouTube.com
...search "RapidFix"

RAPIDFIX
DUAL ADHESIVE SYSTEM
Beyond Super Glue!

www.Rapid-Fix.com

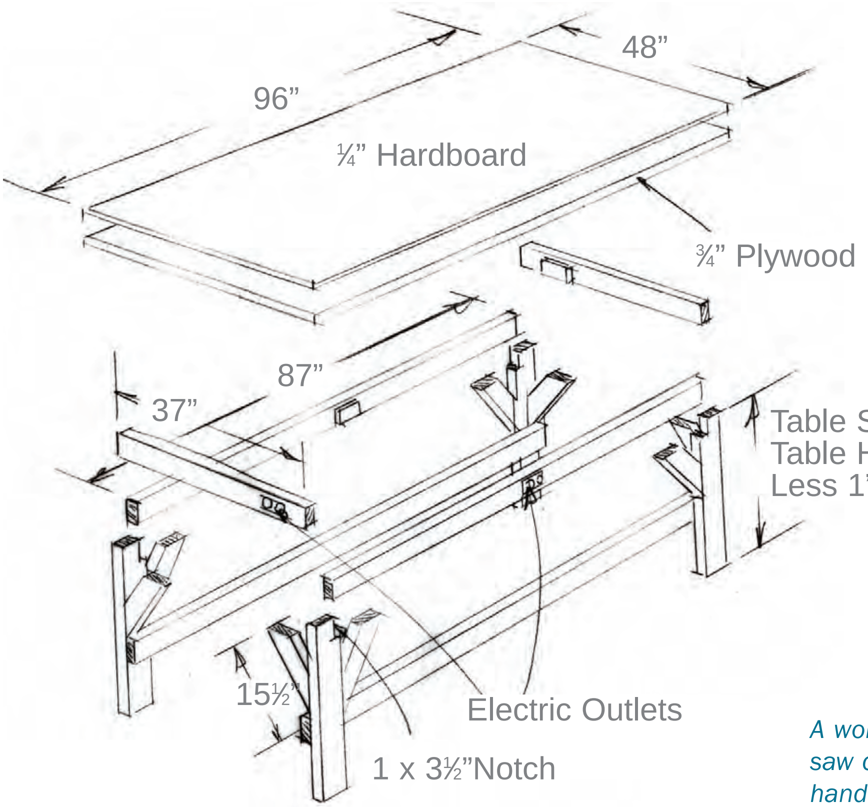

Looking For Extraordinary Wood Turnings?

Fine Custom Wood Turnings

Architectural Turnings

www.ArchTurnings.com | 225-892-7835

moved with the Craftsman Universal Mobile Base. It supports up to 600 pounds and the Snap-Latch peg system conforms to the footprint of most stationary power tools. Four casters, two swivel and two fixed provide mobility, yet the unit can be locked in place. Rolling bases are especially effective for lesser used tools, such as router tables, shapers, belt and disc sanders and jig saws. And, of course, you can always build your own.


48”
96”
¼” Hardboard
¾” Plywood
87”
37”
Table Saw’s Table Height Less 1”
15½”
Electric Outlets
1 x 3½”Notch

A worktable added to the back end of a table saw can make it easier to rip long pieces or handle large sheets of plywood.

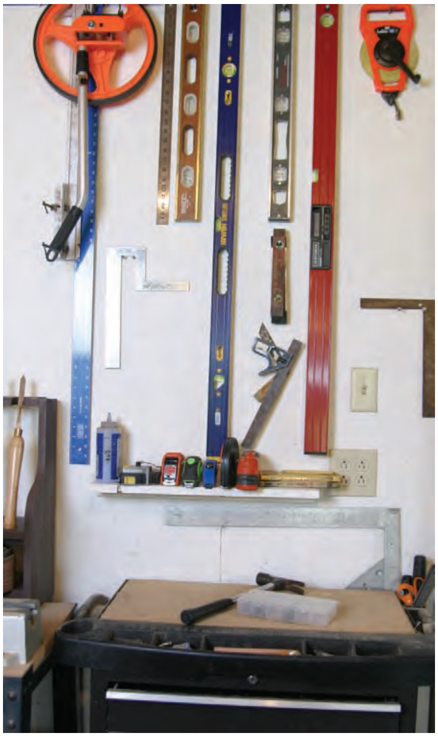
www.AS170.com
NEW HEAVY DUTY MOTOR
AS170
BRICK + MORTAR SAW
THINK OUTSIDE THE CIRCLE.
TOLL FREE 866-517-7869
ARBORTECH
CUTS SQUARE
CUTS DEEP
CUTS SAFE
CUTS WITH LOW DUST
BRICK + MORTAR SAW

TOOL AND MATERIALS STORAGE

Now comes the fun part, creating storage for a variety of tools. My father was a general contractor, finish carpenter and finally a cabinet/furniture maker. He amassed a variety of tools for all these chores and he delighted in creating custom tool boxes, cabinets and storage areas for his tools. Tool storage can be extremely simple, or as elegant and refined as you desire. Cabinets, wall hangings and brackets, boxes, benches and shelves can all be a part of shop organization. It's great to have a place for everything, and have everything in its place. It's also safer. And, it's a good idea to have tool accessories close at hand for their particular tools. For instance, sanding belts and disks should be stored with bench-top sanders.

Following are some of my favorite tool and materials storage projects.

Drill Press Accessory Cabinet: A drill press can use a lot of accessories, including a variety of drill bits, sanding drums, hole cutters and plug cutters. Creating a cabinet or open shelf area to store the items close at hand makes it easier to set up for each use. The



Optimize as much wall space as possible to keep tools and materials out of the way.

NOT YOUR GRANDPA'S NAILER

With even more features and innovations than our popular CPB23.35, our newest 23 gauge pin & brad nailer will change the way you do fine finishing. Find out all about it on our web site or come and test fire it at the STAFDA Convention & Tradeshow.

Model shown V1/23.35

STILL NOT MADE IN CHINA

VISIT US AT STAFDA BOOTH # 401

Cadex

FOR MORE INFORMATION & DEALER LOCATIONS
www.cadextools.com
604.876.9909

Supergrit® SANDPAPER
MIRKA & INDASA products at best prices!
PREMIUM QUALITY • DISCOUNT PRICES • CLOSEOUTS

WOODWORKING AUTO BODY & MARINE METAL WORKING

BELTS: BEST QUALITY RESIN/RESIN, A.O., "X" CLOTH

Size	Price/ea.	Size	Price/ea.	Size	Price/ea.
1 x 30	$ .85	3 x 24	$ .90	6 x 80	$6.60
1 x 42	.90	4 x 21 or 21³/4	1.30	6 x 89	7.00
2¹/2 x 14	1.00	4 x 24	1.40	6 x 108	10.00
3 x 18	.90	4 x 36	1.80	6 x 186	16.40
3 x 21	1.00	6 x 48	3.80	Splindle Sander Sleeves	
3 x 23³/4	.90	price quoted 100 grit	10/box		

WIDE BELTS
Heavy "Y" weight
37" x 60" $30
37" x 75" $33
all other sizes

A/O CABINET-BROWN OR GARNET-ORANGE
PREMIUM 9" X 11" SHEETS

Grit Size	Sheets per Pack	Price/Pack
40D	50PK	$20.00
60D	50PK	$17.00
80D	50PK	$16.00
100C	100PK	$27.00
120C, 150C	100PK	$26.00
180A, 220A, 320	100PK	$23.00
A.O. Sampler 10 Grits 40-320A	100PK	$24.00

DRUM SANDER CLOTH ROLLS
1", 2", 3", 4", 4¹/2", 6", WIDE JWT and XWT

2" Kit $18
3" Kit $20
HOOK & LOOP

Size	No. of Holes	Price/50
4¹/2"	8	$14.00
5"	5 or 8	$15.00
6"	6,8,16	$17.00

Size	Price/ea.
8" Solid "E"wt.	90¢
9" Solid "E"wt.	$1.50
12" Solid "E"wt.	$2.50

MIRKA ABRALON
6" H&L Disc
GRITS
180, 360, 500, 1000, 2000, 4000
$60/20

BLACK WATERPROOF S.C.	9" x 11" Sheet	Grits 150-2500	$30/100
WHITE NO LOAD S.C.	9" x 11" Sheets	Grits 220-600	$24/100

PORTER CABLE H & L DIAMONDS Grits 60, 100, 150, Asst. $25/75
PORTER CABLE PSA 1¹/2" x 2¹/2" Sheet for Profile Grit 80, 220 $2/20

PORTER CABLE 9" H & L DISCS Fits Model 7800
Drywall Sander | Foam pad + 5 discs per set
Grits 80, 120, 150, 180, 220 $12.50/set

Gator (USA) Sanding Sponges 3" x 5" | Assorted Grits $12.50/10

ABRANET DISCS – 3" $27/50, 5" $30/50, 6" $36/50,
FREE 48 Page Color Catalog

Red HILL CORP., P.O. Box 4234, Gettysburg, PA 17325
TEL (800) 822-4003 • FAX (717) 337-0732 • www.supergrit.com

simple shelf unit shown is fastened together with glue and nails with an air fastener. Cleats on the back of the shelves allow the unit to be anchored easily to the wall.

Band Saw Wall Storage: Storage of band saw blades can consist of simply storing unopened blade packages on a shelf, and hanging open blades on the wall behind the band saw.

Hand Plane Storage: With a fairly large collection of hand planes and other old tools, I wanted to display them in the shop. I built a "shadow-box" shelf made of pine shelving material ripped to 4 inches and assembled with dado joints for added strength. The shelf is anchored to the wall with cleats on the underside of the shelves.

A drill press can be used with a wide variety of accessories. A shelf or cabinet close at hand holds the accessories needed.

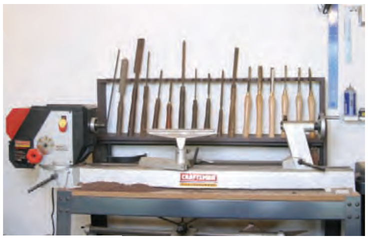
Do-It-Yourself Stainless Steel Cable and Glass Railing Systems

- Easy, DIY Installation
- Component Systems
- Custom Fabricated
- Many Style Options Available

Mention this ad and receive a FREE tool rental ($100 value).

CLEARVIEW®
by AGS STAINLESS, Inc.
TEL 888-842-9492
FAX 206-842-8179
www.agsstainless.com
info@agsstainless.com

Bandsaw blade storage can be quite simple.



A rack with slots and holes holds woodturning tools close at hand.

Woodturner's Tool Storage: Without some sort of tool storage for turning tools, they'll be scattered around the bench under the lathe. The rack shown makes it easy to store turning tools, wrenches, face plates and even turning patterns within easy reach. Before assembly, holes are partially drilled in the upper shelf, using a Forstner bit in a drill press. The turning tool handles rest in these holes. The holding notches in the top bracket are made by boring holes completely through a wide strip, then ripping the strip to create open notches.

Clamp Rack: If you do any amount of gluing and clamping, you'll appreciate a clamp rack. Mine is made of scrap MDF and it holds a large assortment of clamps within easy reach. It can also be fitted with casters and rolled out of the way for storage.

Cordless Charging Station: Cordless power tools have become increasingly popular and it's not uncommon for even a basic DIY'er to have several chargers. A charging station with plenty of outlets keeps chargers safely stored and batteries ready to use.

Screwdriver and Wrench Storage: Pegboard or other purchased hanging racks can be used for screwdrivers and

Celebrating more than 20 years as the
WORLD'S BEST SAWHORSES

CDX 1/2-66
WILLAMETTE
4-PLY
CDX 1/2-66
LIFETIME GUARANTEE
DO NOT USE SAWHORSES IN THIS MANNER

Gripping Teeth

Fast, Easy Set Up

Any Length You Need

Two Sizes Available

AND OTHER QUALITY PRODUCTS FOR PROFESSIONAL CONTRACTORS

1-800-745-2120 • www.trojantools.com

PROUDLY MADE IN THE USA

TROJAN
MANUFACTURING INC.

DEWALT® WORK GEAR JUST GOT TOUGHER™

The leader in power tools launches a comprehensive line of tool belts, kneepads, soft-side tool carriers, tool holders, and accessories.

Workers can now get the same level of durability and performance they rely on from DEWALT power tools in work gear. Engineered with innovative features and impressive designs, DEWALT offers users both tough and functional work gear solutions.

Call today, or visit **www.DEWALTworkgear.com** to get a first-hand look at the industry's new line of jobsite work gear.

www.DEWALTworkgear.com 1-888-5 DEWALT

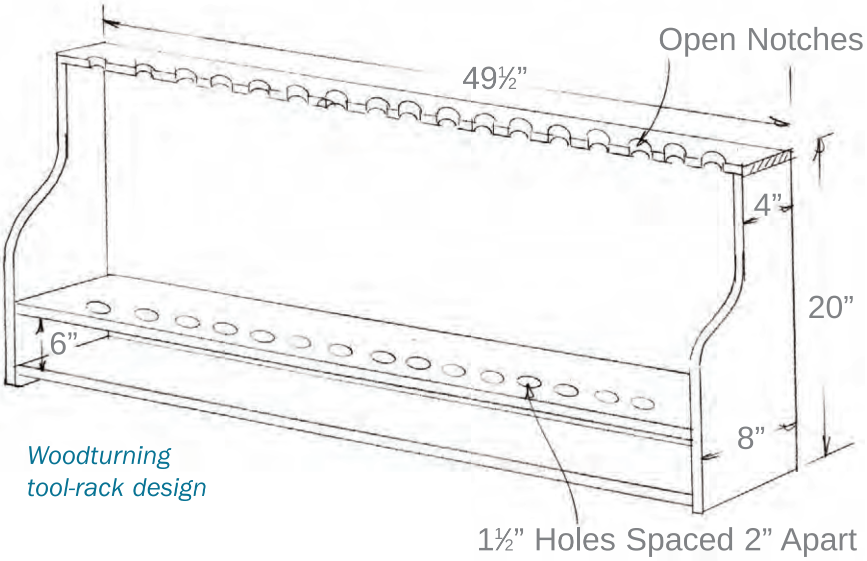
Copyright © 2009 DEWALT. DEWALT® and GUARANTEED TOUGH® are the registered trademarks of DEWALT Industrial Tool Co. used under license. All right reserved. The yellow and black color scheme is a trademark for DEWALT power tools and accessories.

Manufactured by:
Custom LeatherCraft Mfg. Co., Inc.
South Gate, CA 90280 under license of DEWALT Industrial Tool Co.

GUARANTEED TOUGH.®

wrenches, but a simple method is to drive finish nails or screws partly into wood cleats to hold wrenches and other items. The cleats are then fastened to the wall studs. Painting the cleats the same color as the wall adds a finishing touch. You can also make small shelves of one-by material, fastening them to the walls with a cleat on the underside. This provides storage for tape measurers, and if holes are bored in them, an excellent screwdriver storage shelf.

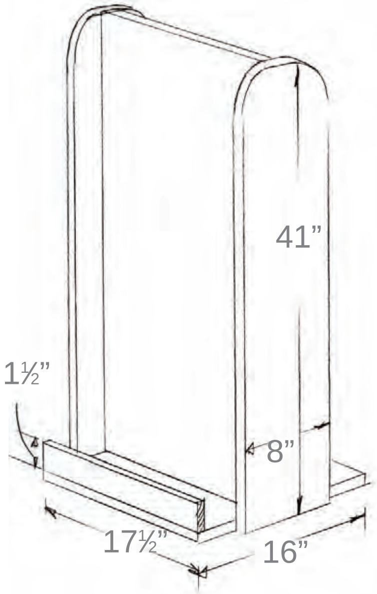
Screw, Nail and Small Parts Storage: I discovered food jars for screw and nail storage years ago. Screwing the lids to the underside of a shelf provided hanging storage. Then came plastic jars, in particular peanut butter jars, the perfect size. I no longer fasten the lids in place, because it was a hassle to screw the jars up to the lids. A small shelf built into an otherwise unusable space next to a garage door provides plenty of screw, nail and small parts storage.



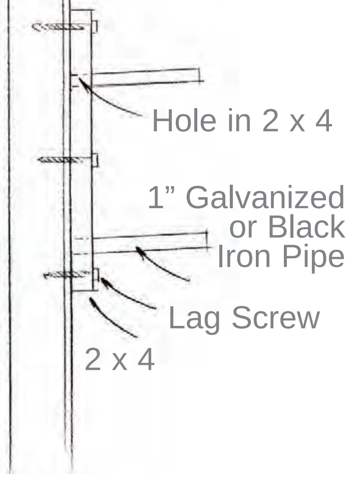
Woodturning tool-rack design

Sheet Goods Storage: The hardest part of lumber storage is storing sheet goods, or pieces of plywood. They're large and usually heavy. The simplest method is leaning them against a wall, if you have the wall space. Tools such as radial arm saws and miter saws can be set out from the wall, leaving storage space behind. An overhead rack can also be used for holding a few sheets in some areas, but be careful of the weight. My dad used a 2-by-4 rack especially designed to hold plywood sheets in his cabinet shop, because he continually used a large number of sheets.

Lumber Storage: Storing lumber can be done in several ways, depending on the types of lumber you store. Framing lumber is best stacked squarely on a garage floor. Long pieces of lumber for furniture and cabinet making must be well supported to prevent warping and twisting. A basic 2-by-4 storage rack solves the problem. It does take some effort in getting pieces out of this type of rack, but the wood is well supported. One alternative is to create a pipe-wood rack. Short pieces of plumbing pipe are inserted into holes drilled at an angle into 2-by-4's. The 2-by-4's are then fastened to the wall studs. Wood turners and craftsmen who use small or short pieces will find lumber bins the best solution.



Clamp rack



A 2 x 4 and pipe lumber rack makes it easier to access materials.

ELECTRICITY, LIGHTING AND SAFETY

A major factor in shop organization is proper electrical supply and lighting. Organize your shop on paper, placing paper tool cut-outs on a drawing to determine best work areas. Then determine the electrical requirements for each stationary tool. Some tools require heavier wiring, some 220-volt. This paper plan will also allow you to determine best locations for lighting fixtures for the various tools and work stations.

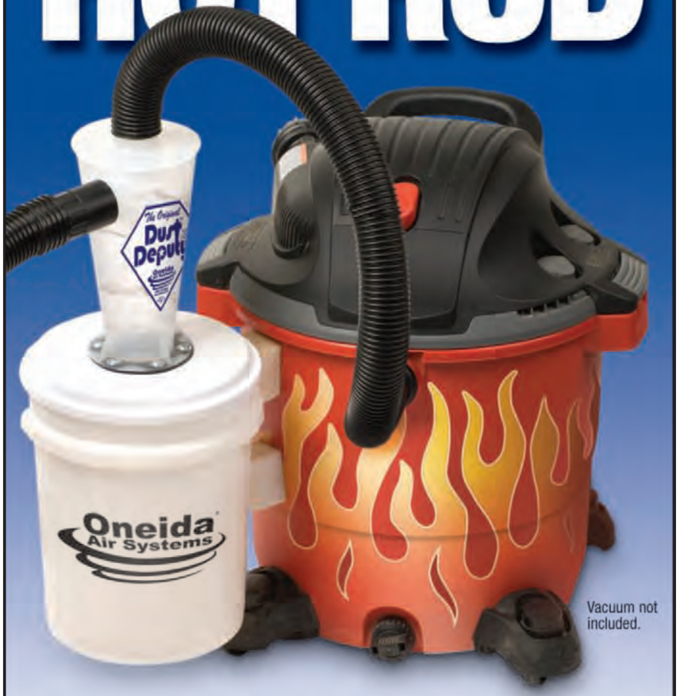
Safety is also a very important factor in shop organization. Consider electrical safety in organizing your shop. For instance, numerous cords running around the shop floor can be a hazard not only for fire, but for tripping or stumbling into a tool.

Keep the appropriate safety tools readily at hand for each work station, including eye protection, ear protection, and a dust or safety mask.

Dust and debris collection is also extremely important and should be considered in the design stage of your shop. Many tools are fitted with dust-collection outlets, and the simplest method is attaching a shop vac to the tool dust port. The next step up is to utilize a dust-collection system, such as one of those available from Oneida (www.oneida-air.com). This can be a portable unit moved to each tool, or you can install a permanent, overhead dust-collection system. The latter is the best choice for a full-scale shop.

Shop organization is an ongoing project. You'll never finish, but each project or organization chore will help your productivity and make working in your shop more fun and easy. **EHT**

Lumber must be stored flat and well supported. A 2 x 4 rack is one answer.


TURN YOUR VAC INTO A HOT ROD

Vacuum not included.

The Dust Deputy's cyclonic action eliminates clogged filters for maximum vacuum performance.

Dust can clog filters almost immediately, robbing a lot of your vacuum's suction power... unless you're equipped with the Dust Deputy. Our patented, award-winning design retrofits easily – like a supercharger for any vac – and removes over 99% of dust. So rev up the power, and leave clogs "in the dust."

Dust Deputy®

U.S. Pat. #7,282,074 E.U. Pat. Pend.

Made in USA

Order Online at
oneida-air.com

Call for your FREE catalog!
800.732.4065

Oneida Air Systems

Armor your Floor

Update your garage with an easy-to-install floor protector.

Here's a before and after look at a garage floor upgraded with a protective covering.

By Matt Weber

Protective floor covers are gaining steam in residential garages and workshops, where homeowners are sick and tired of looking at ugly oil stains and discolored concrete. Installing the covering is an easy project you can complete in a single afternoon, and the result is a brand-new surface that's impervious to corrosive road materials such as antifreeze, oil, salt and battery acid. Floor protectors reduce dust travel and withstand all sorts of contaminants found in the garage and work environments.

Another plus for floor protectors: Most products are easy to move. They can be cleaned inside or outside of the garage, and the nonporous surface allows easy cleanup of oil and antifreeze with soap and water. Vinyl floor cleaners can be used to remove stubborn debris. Floor protectors also provide a moisture barrier, reduce noise, hide pre-existing cracks and stains and they last for years. Plus, the ribbed or channeled floor cover channels away liquids to reduce the amount of dirt tracked into a home.

When it comes to floor covers, homeowners have a several different but similar products to choose from. Comapnies such as Better Life Technologies, LLC, and Gladiator Garage Works offer flooring that rolls out for easy installation. The rolls come in a variety of sizes to fit almost any garage. The floor covering installs in most two-car garages in less than two hours.

Both SwissTrax and Craftsman offer a tile design for its floor covering. The square tiles, available in several different colors, can be mixed and matched and laid onto the floor in a desired pattern. Each tile is constructed of durable, high-impact co-polymers and has a suspended peg-construction underside that promotes airflow and cushions the floor. No tools, glues or adhesives are required to install. Each tile in the modular system has a female loop and male peg that interlock, for a secure fit.

Self-adhesive tiles are also a new option from Better Life Technologies.

This article demonstrates the simple installation method of Better Life Technologies' G-Floor Floor Cover/Protector. G-Floor is available in seven sharp colors, from Midnight Black to Brick Red, and comes in four widths, from 7-1/2 feet to 10 feet.

GLADIATOR®
GARAGEWORKS
BY WHIRLPOOL CORPORATION

SOMETIMES IT'S GOOD TO BE A TOOL

New Gladiator® Tool Storage solutions keep your tools protected and right where you need them. Stack the chests to create the ultimate home for the most trusted items in your garage—your tools. But why stop there? Deck out your entire garage with the complete line of Gladiator® GarageWorks products, including our entire selection of Tool Storage options. Visit **GladiatorGarageWorks.com** or call 1-866-342-4089.

Now available at

Sears
Life. Well spent.

SEARS and the logo are registered trademarks of Sears Brands, LLC. ®Registered trademark/™Trademark of Whirlpool, U.S.A. ©2010 Whirlpool Corporation. All rights reserved. WPGI0093

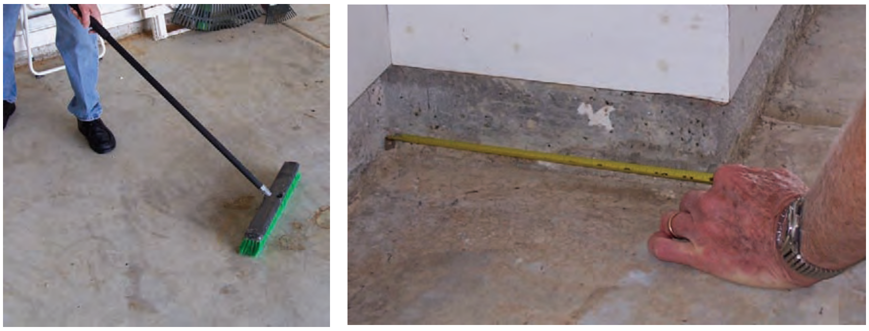
IT'S TIME TO RETHINK THE GARAGE.®

Custom sizes and grades are available.

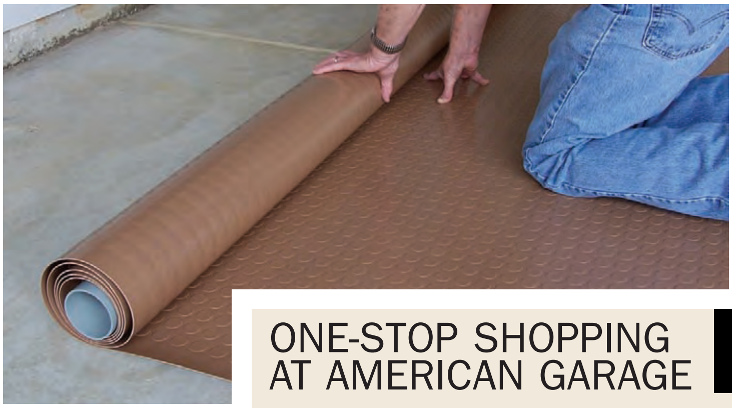
DIY INSTALLATION

For the G-Floor, the manufacturer notes that the protector will initially have curl marks due to being rolled on a core or folded in a box. For flat results, the company recommends the product be unrolled in the sunlight on a clean driveway. The warmer the conditions, the quicker the curls will straighten out and lay flat. To facilitate the flattening process, use a wide push broom to push the air out from the center and work your way toward the edges from side to side, and length to length.

Another option is to unroll the cover right in the garage. Either way, wipe up any oil and chemicals from the floor and sweep



Installation is simple: Clean the floor, unroll the cover, measure and cut to fit.



ONE-STOP SHOPPING AT AMERICAN GARAGE

With an emphasis on four major categories that make up the modern garage environment, American Garage is a new retail store focusing on the right combination of quality, service and price. Providing products and insight in garage flooring (as in, from the ground up) to storage, organization and enhancement, American Garage provides the customer the information to correctly determine his or her real needs, and then offers the solution competitively with a heavy emphasis on impeccable service and installation. Because the company recognizes that garage owners love to drive the things that are housed in the garage, American Garage also carries car accessories, truck accessories, and motorcycle parts and accessories. For more information, visit www.americangarage.com

Security products
for your peace of mind.

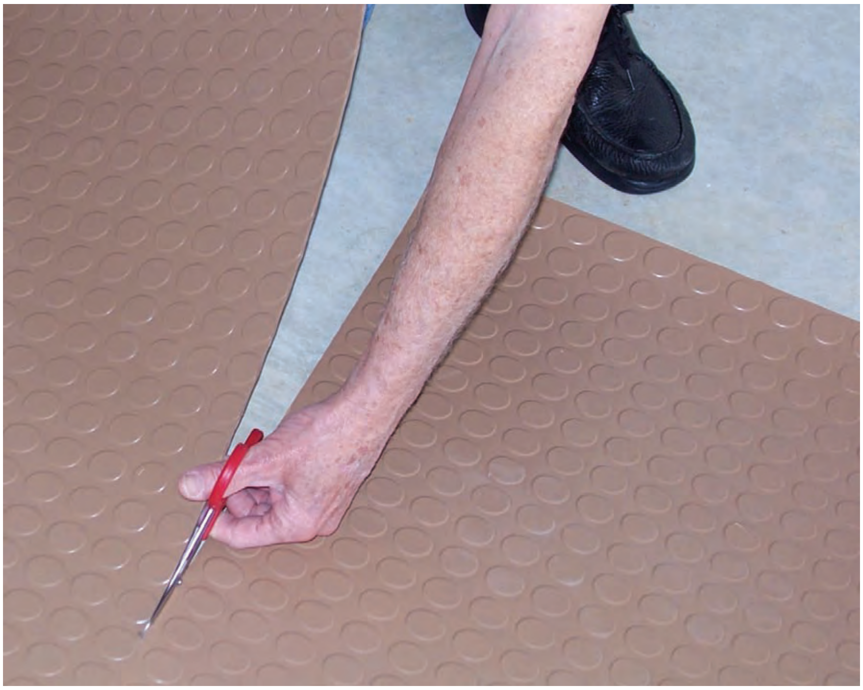
Driveway Alarms
Ranges from 600 feet to several miles
Motion • Rubber Hose
Metal Detecting • Hard-Wired

Cameras
DVR Capabilities

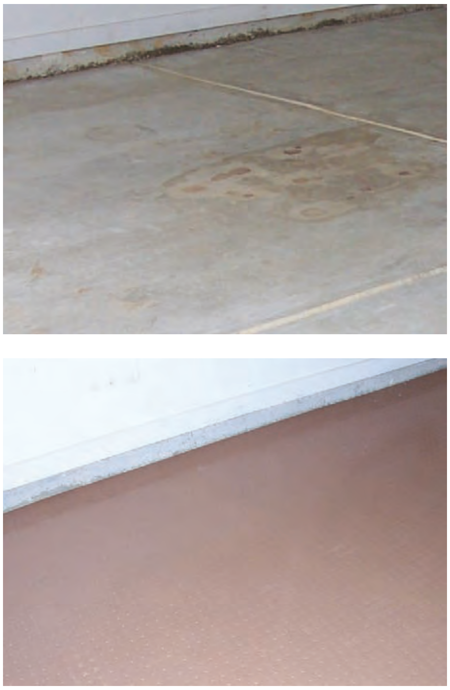
Door Chimes
Wireless Door Bells • Photo Sensors

Auto Dialers
Cellular or Landline Capabilites

DA Dakota Alert, Inc.
WIRELESS SECURITY EQUIPMENT
www.DakotaAlert.com
PH: 605.356.2772 • FAX: 605.356.3662



Trimming is easy, and seams can be joined with indoor/outdoor carpet tape.



These show the improvements made with the G-Floor Protector.

FLOW®
wall system

LAUNDRY

SPORTS

LAWN & GARDEN

OFFICE

Turn empty walls into clean, functional and organized space!

www.flowwall.com
877.356.9925
info@flowwall.com

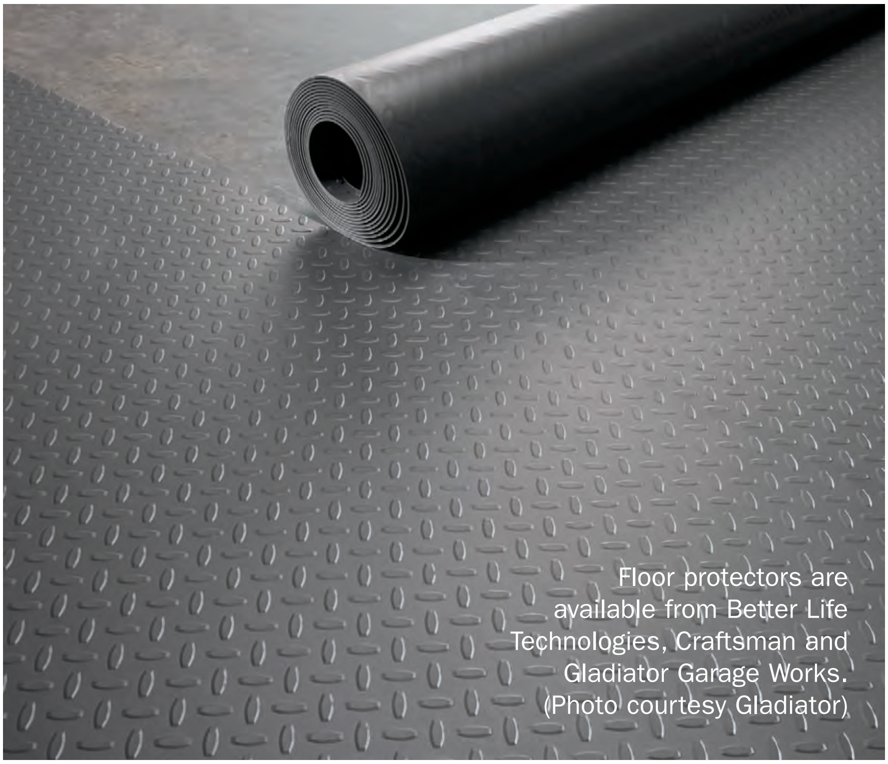
Dealer Opportunities Available

A full line of Hooks and Accessories get your stuff off the floor and neatly organized on the wall!

the garage thoroughly before installing. For best results, start unrolling at the garage entrance, finishing at the back of the garage. In cool conditions, it may take up to 72 hours for the curl marks to lay flat, but you can still park your car on it during this time.

For a custom fit, allow the cover to relax in place before trimming around the edges and corners. And believe it or not, that's the gist of the installation: Simply unroll, trim to fit and overlap adjoining sections. Taping is optional. If taping the edges or seams, use indoor/outdoor carpet tape.

In just a couple of hours, you'll have a new surface to park on, play on and work on—and no more ugly floor. **EHT**



Floor protectors are available from Better Life Technologies, Craftsman and Gladiator Garage Works. (Photo courtesy Gladiator)

SLATWALL SYSTEMS

YOU'RE DIRECT SUPPLIER OF:

AWI ARCHITECTURAL WOODWORK INSTITUTE

SLATWALL PANELS

SLATWALL ACCESSORIES

SLATWALL SHELVING

WE ARE THE MANUFACTURER... CUSTOM ORDERS WELCOME

WWW.SLATWALLSYSTEMS.COM
SLATWALL@ACEAZ.COM

NITHIA PRIGGE
SALES ASSOCIATE

ROC 083409 L60

TOLL FREE 888/ 454-1233 LOCAL 602/ 272-5266 FAX 602/ 233-1014

PAINT GRADE & MELAMINES

HIGH PRESSURE LAMINATES

WOOD VENEERS

ACCESSORIES

TARPX®
FAST • STRONG • SECURE LOAD CONTROL

- All-in-one load covering system for pickup trucks and utility trailers
- Adjustable for most common loads – made of tough, water-resistant, rip-stop nylon
- Goes on in minutes – spread TarpX over the load, attach the hooks, cinch the webbing and GO
- Packs quickly, fits under a seat in its own stuff sack
- No tangled ropes, snapping bungees or flapping tarp

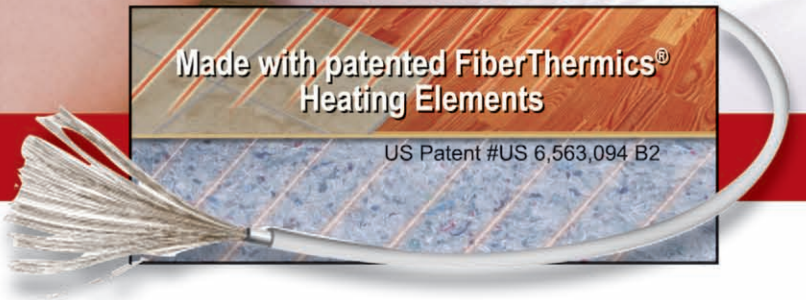
TOLL FREE **877-886-8779**

www.tarpx.com

QuietWarmth®

Radiant Heat Underlayment

INTERTEK ETL C US LISTED



Made with patented FiberThermics® Heating Elements

US Patent #US 6,563,094 B2

Floating radiant heat panels ideally suited for floating laminate, and wood flooring

Can also be used with other hard surface flooring like tile and glue-down wood

Much easier to install than most other systems, no need to bury components in thick concrete

The perfect compliment to SnapStone or Avaire Tile Systems

Safe Heat
for Laminate, Engineered Wood, or Tile Floors!
SCS CERTIFIED
INDOOR ADVANTAGE
GOLD
SCIENTIFIC CERTIFICATION SYSTEMS
SCS-IAQ-01529
SCS CERTIFIED
Minimum 77%
Recycled Content
Pre-consumer
SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-01602
Heat your FLOOR for PENNIES a day!

MP global products L.L.C.
Your SUSTAINABLE Underlayment Specialists

Check out our complete line of flooring underlayments!

QuietWalk®
Acoustic Underlayment for Floating Wood & Laminate Floors

Insulayment®
Acoustic Underlayment for Glue-down & Nail-down Wood Floors

FIBERBACKER®
Acoustic & Anti-fracture Membrane for Tile Floors

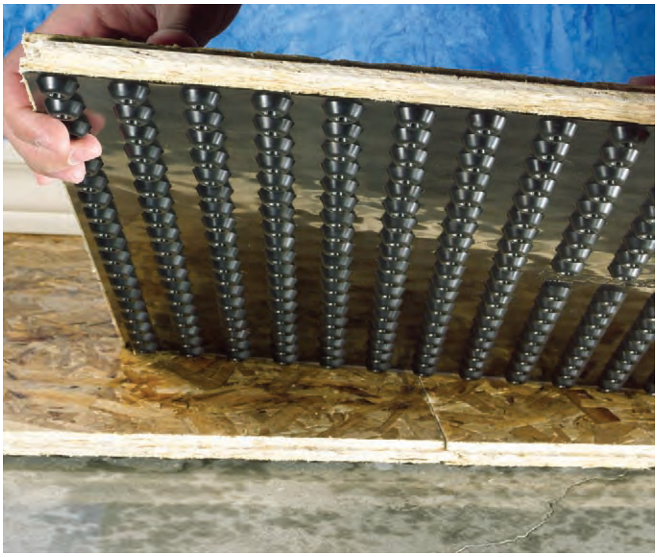
888.379.9695 | quietwarmth.com

Warm Feet

By Matt Weber

Photo courtesy DRICore

Insulate your basement by installing a floating subfloor.



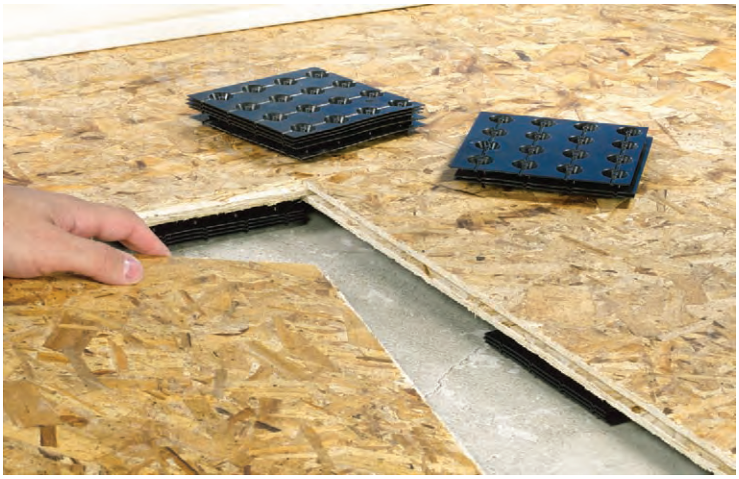
Is your basement nothing more than an unfinished storage area? That's the case with many homeowners who consider their basement to lack the warmth and coziness to make it a comfortable living space. When it comes to cold basements, you can blame the floor. The porosity of a concrete floor can make it cold and damp—unwanted characteristics that can be felt through tile, carpet and hardwoods. Simply put, cold basements—even if they've been finished—often don't get as much use as the other more comfortable areas of the house. That's a lot of space going to waste.

Today, floating subfloor systems offer homeowners a way to stifle the cold and construct a warm, pleasant place for a game room, office area or home theatre. These systems offer a two-pronged approach to keeping concrete floors dry and warm.

First, the plywood or oriented strand board (OSB) subfloor floats on a channeled or "cleated" waterproof underlayment, so the wood never actually touches the floor. The underlayment material can be made of Styrofoam or heavy-duty polyethylene, the same material used in corrugated plastic drain pipe (one of the toughest plastics available). This underlayment creates an air gap above the concrete. Combined with the wooden panels, the air in this space provides a thermal break that acts as insulation to keep floors and rooms warm. These systems can warm a room as much as 10 degrees.

Second, that same layer of insulation provides a moisture barrier against the dampness that naturally rises through concrete slabs. Thanks to the channels

Warm Feet



With some insulated subfloor systems, thin plastic shims help to level the subfloor on an uneven slab.

in the underlayment, any moisture that does collect can easily drain and evaporate. This protects furnishings and inhibits musty smells and mold growth, ensuring a healthy living space.

BASEMENT BENEFITS

Floating subfloors are also durable and versatile. The engineered wood core won't warp, split or peel. The systems are also strong enough to support the heaviest furnishings, such as exercise equipment, pool tables and pianos. And as far as finished floor surfaces, use any flooring solution you want. Simply prepare your new floor as you would any other. These systems allow the option of choosing from carpet, laminate and engineered hardwood. Vinyl tile can be installed in conjunction with a 1/4-inch plywood underlayment. And ceramic tile can be used with a cement board underlayment to provide the utmost strength

15 High-Impact Gift Ideas

1

2

3

4

8

5

6

7

12

9

10

11

13

Ratchet handle not included.

14

15

Click on the photographs for more information about any of the products shown here. You can order directly from our website, or call 1-800-683-8170.

Lee Valley & veritas® **www.leevalley.com** and sturdiness. (See the manufacturer's instructions for floor-installation guidelines and warranty specifics.)

These floating systems are also touted as being "ergonomic." This term refers to the slight "give" in the panels as people step on them. The panels slightly cushion footfalls as the channeled insulation distributes the weight, providing a comfortable, resilient walking surface. Walk on bare concrete and compare it to walking on a floating sublfoor—you'll see the difference.

Another big benefit for DIY'ers is the ease of installation. While some systems come as rolls of plastic underlayment, most systems are available as 2-by-2-foot interlocking tongue-and-groove panels that have the insulated underside pre-attached to the wood. Just measure the floor and plan your layout in the same manner as laying tile, then tap the panels together with a hammer and wood block. No fastening or gluing is required.

Recently, we installed a floating subfloor system at my friend Robby McConnell's house. Robby and I have been buddies for years, and he recently had a new daughter. With the expanding family, he felt it was time to expand his living quarters to his unfinished basement. I told Robby about the floating subfloors, and he chose the DRICore brand to install in his basement. Here's how the project went down.

GETTING STARTED

The first step is to check the basement for any preexisting problems. Inspect the foundation and repair any source of moisture penetration. Robby had a new solidly built house, so no repairs were needed.

Prior to installation, allow the panels to acclimatize for at least a full day in the room where they'll be used by stacking or laying them on the floor with

Snap some chalk lines to help guide the layout.

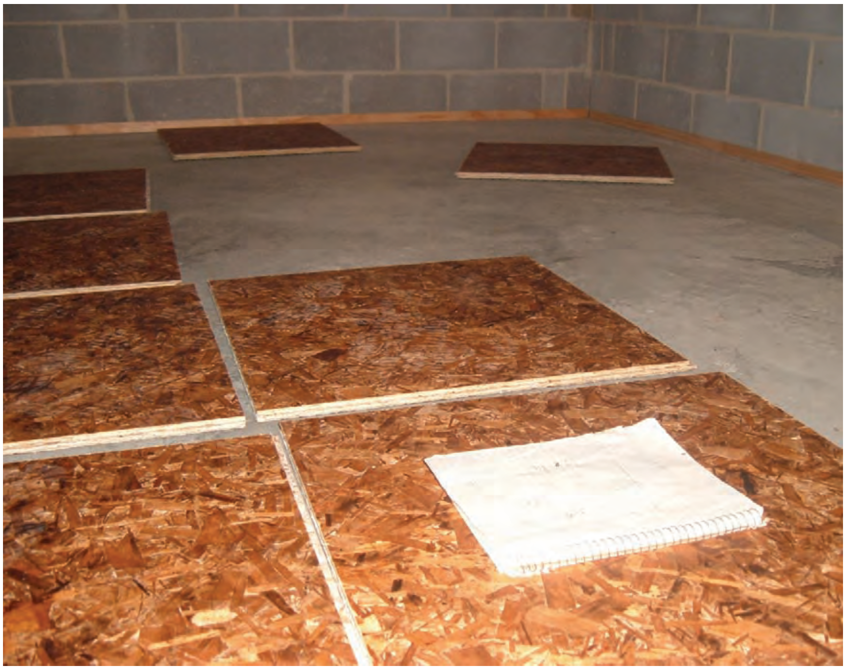
FLOATING SUBFLOOR BUYER'S GUIDE

DRICore, the product installed in this article, is easy to assemble by press-fitting the tongue-and-groove panels. The engineered wood panels remain flat and stable in high humidity, and the durable polyethylene moisture barrier is raised on 1/4-inch cleats to allow air moisture to flow and evaporate. Learn more at www.dricore.com.

OvrX insulated subfloor tiles use the insulating quality of Styrofoam as the system's underlay material. The tile surface is constructed of sanded-top OSB backed with 1/2-inch Dow high-density polystyrene that provides an R -3.2 insulation value. The company also offers insulated panels for basement walls. Check out OvrX at www.ovrx.com.

Platon flooring membrane creates an impenetrable vapor barrier while creating an air gap beneath. The plastic membrane is sold in rolls, which the installer unrolls and cuts to fit the room. The lengths of membrane are joined with "Roof & Gutter" caulk. The installer pre-cuts 5/8-inch T&G boards to fit the room, staggering the joints every 4 feet. The perimeter of the subfloor is then secured to concrete with Tapcon screws 24 inches on center. Check out the Platon flooring Protector at www.systemplaton.com.

Subflor ADVANCE from Supra Floors features an OSB surface manufactured with "MDI" water-resistant natural resins and waxes. The system is available as 2-by-2-foot T&G panels, which have a polyethylene underside with 5/16-inch corrugated channels to elevate the floor and allow moisture to flow. Visit Supra Floors at www.subflor.com.



Lay out the floor to determine what cuts you'll have to make at the perimeter walls. Use a circular saw and a T-square to cut the panels to size.

the plastic surface down. This allows the panels' moisture content to adjust to the environment of their new home.

You'll also want to test the slab to make sure you aren't dealing with excessive moisture problems. To do this, tape a 1-by-1-foot square of plastic onto the slab, sealing all edges. Wait a day, and if the plastic collects water droplets, the floor should probably be treated with a concrete sealer.

Sweep and vacuum the concrete and remove any ridges that might interfere with the installation. Dips in the slab can also be a problem. The DRICore system comes with a leveling kit, which consists of shims to adjust uneven areas that are less than 1/4 inch. But if the floor dips any more than that, use a liquid self-leveling compound to ensure a flat, even surface.

Once the slab has been prepped, make sure you have all the tools and materials on site. This includes: subfloor panels, 1/2-inch spacer boards, leveling kit, hammers, pull bar, square, circular saw, spiral saw or jigsaw, wood blocks, chalk and reel, tape measure and pencil. You'll need a dust mask and safety glasses when cutting panels.

PLANNING THE LAYOUT

If you've ever laid out floor tile, then you know how this works. Measure the length and width of the room from a starting corner. Divide the measurements by 2

Stagger the joints at the midpoint of the preceding row of panels.

Use a wood block and hammer to press-fit the tongue-and-groove joints.

feet (width of the panels). You want to ensure the last panels in each row are greater than 6 inches. If this isn't the case, then adjust your layout until it is. Also, keep in mind that the panel joints should be staggered from row to row. This means at the intersection of each wall, the size of the edge panels will alternate from row to row. You'll find that sketching a rough layout on a piece of paper will help you visualize your game plan. You can also loosely lay the panels down to test a couple of rows.

Another consideration: Not all walls are square. Use a framing square to test your starting corner. If you're not working with a 90-degree angle then you'll have to cut the wall edge of the first row to make sure the succeeding rows can lay square against it.

Once your layout is complete, snap a few lines on the slab to mark the locations of the first few rows. This will help guide the staggered joint locations until you get the first few panels installed.

The installed floor will also need a 1/4-inch expansion gap around all perimeter walls and room obstacles. You can use 1/4-inch strapping from your local lumber dealer. Simply place these straps along the edge and butt the panels against them.

LAYING THE FLOOR

With the straps in place, place the first panel in your starting corner. Depending on the size of the room and your resulting layout, this first panel/row may or may not have to be cut to size. If it's not necessary to trim it down, then you're off and running. Just align the next panel and use a hammer and wood block to tap together the tongue-and-groove joint. Otherwise, cut the second panel to the appropriate row size and follow the same procedure. Install the panels tightly to avoid any separation in the seams. The first few rows are the most important because they're the foundation for the rest of the installation.

Cut the first panel of the second row so the joint is staggered at the original midpoint of the first panel. Each joint in the second row should align with the midpoint of each panel in the first row. Likewise, each joint of the third row should match the midpoint of the second row panels. Row 1 matches Row 3; Row 2 matches Row 4, etc. Continue this pattern as you place and join the field of the subfloor.

Make sure the panels rest solidly on the floor as you progress. To make height adjustments in uneven areas, slide the shims from the leveling

PEXHEAT.COM

Professional Radiant Floor Design Services & Sales

Login and get a Free project quote.

Visit www.pexheat.com or call us at (631) 240-9173

Supplying the Contractor and Do-It-Yourselfer

The Radiant Floor Superstore
Radiant Slab
Sleeper Systems
Underfloor Staple-Up
Snow Melting
Electric Floor Warming

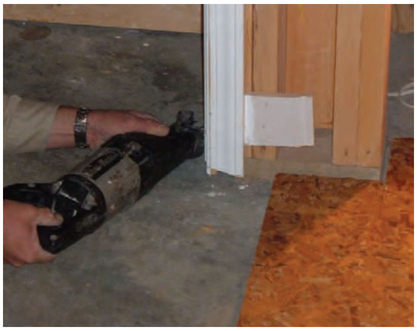
kit into place beneath the plastic cleats. In some places, you may need to stack as many as four shims together to get the right height.

Work from one side of the room to the other, one row at a time. When you reach the opposite walls, you'll need a circular saw to cut many of the panels to size. Plus, because of the wall, you won't have hammer clearance to tap together the joint. At the edge you'll need to use a pull bar or Lam-hammer (lam-hammer.com) to join the panels. Odd-shaped panels and small cutouts can be made in panels with a spiral saw, such as a Rotozip, or a jigsaw.

Once all the panels are in place, your subfloor is complete. You're now ready for new wall framing—or a brand new finished floor. **EHT**

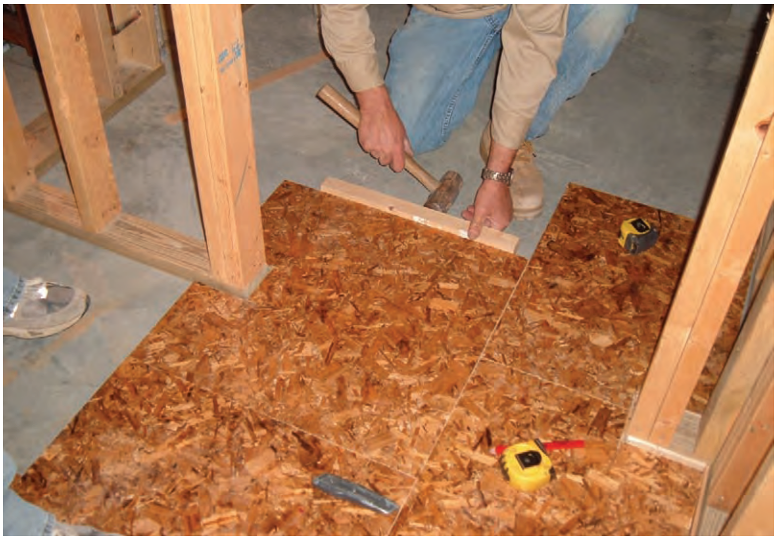
……

Editor's Note: *Special thanks to DRICore and David McConnell for help with this project.*



You may have to alter door jambs to make room for the panels.

Use a RotoZip or jig saw to make small cuts.



The completed subfloor will keep your basement floor warm, dry and comfortable.

YUKON
SINCE 1970

GOT OIL AND GAS PRICE JITTERS?

WE BUILD YOUR SOLUTION TO HIGH HEATING COSTS

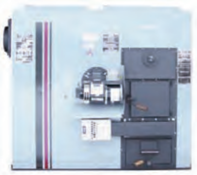
WOOD/COAL COMBINED WITH HI-EFFICIENCY OIL OR GAS FURNACE TECHNOLOGY THAT AUTOMATICALLY STARTS YOUR WOOD BURNING, ALL THERMOSTATICALLY CONTROLLED.

Prices Start at $1,688

Veteran wood burners know Yukon multi-fuel furnaces are the most advanced designed central heating systems that burn wood in combination with gas, oil or electric fuel. These furnaces make wood burning efficient and practical.

CUT YOUR FUEL BILLS TO ALMOST NOTHING - AND HEAT EVERY ROOM EVENLY!

YUKON HAS BEEN PROVIDING HEATING COMFORT AND FUEL SAVINGS FOR NEARLY 40 YEARS!



Yukon Husky
112,000 BTU output
Gas/Wood/Coal or Oil/Wood/Coal

Yukon Polar
151,000 BTU output
Gas/Wood/Coal or Oil/Wood/Coal

Yukon Electric
Electric/Wood/Coal
112,000 BTU output/solid fuel
67,000 BTU output/Electric

Yukon Klondike
112,000 BTU output
Wood or Coal

YUKON INDOOR WOOD FURNACES ARE AN ALTERNATIVE ENERGY HEATING SYSTEM.
THERE ARE MANY TYPES OF FURNACES, SUCH AS, COMBINATION ELECTRIC AND WOOD FURNACES, HOME HEATING BURNERS, AND FORCED AIR FURNACES. YUKON HAS A LARGE LINE OF FURNACES, WOOD AND MULTI-FUEL FURNACE MODELS, COMBINATION GAS AND WOOD/COAL FURNACE, COMBINATION OIL AND WOOD/COAL FURNACE, AND MORE. WHETHER YOU ARE LOOKING FOR A WOOD HEATER OR WOOD BURNING STOVE, YUKON HAS A “WHOLE HOUSE WOOD FURNACE” FOR YOU.

“0” DOWN - NO INTEREST - FOR 180 DAYS
Eligible for up to $1500 bio-mass tax credit

WWW.YUKON-EAGLE.COM OR CALL US TODAY @ 800-358-0060

With RISING Energy Costs, NOW is the time to INSTALL RadiantGUARD®

RadiantGUARD® Attic and House Wrap Radiant Barriers

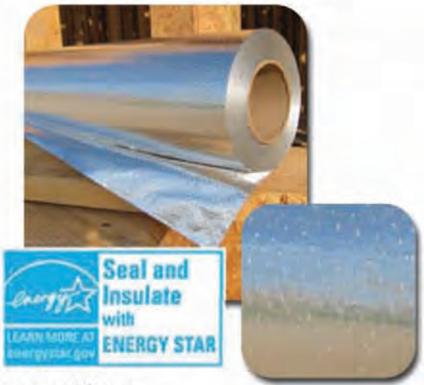
- ***Block 95-97% of the radiant heat***
- ***Lower attic temperatures up to 30°***
- ***Reduce heat flow to living spaces up to 50%***
- ***Lower monthly utility costs year-round***
- ***NFPA Class A and UBC Class 1 fire rating approvals***
- ***Comply with Standard Specifications for Sheet Radiant Barriers for Building Construction Applications (C1313)***
- ***Qualifies for IRS Tax Credit through 2010***
- ***ENERGY STAR® qualified radiant barrier***
- ***RadiantGUARD® is a proud member of the BBB with an A+ rating***

Seal and Insulate with ENERGY STAR
LEARN MORE AT energystar.gov

Install a RadiantGUARD® radiant barrier - the most cost effective way to lower your utility bills and participate in lowering the energy demand on the environment.

RadiantGUARD®
Protecting Your Energy Costs

For more information, please visit or call today
www.RadiantGUARD.com
toll free (866) 528-8412



RadiantGUARD®

Protecting Your Energy Costs

Studies have shown that up to 93% of ceiling heat gain in summer months occurs from radiant heat transfers from attics heated by radiant energy from the sun. Roof shingles and decking absorb radiant heat generated by the sun and transfer this heat into attic spaces heating up existing insulation. Once this existing insulation meets its saturation point, it then radiates this heat to all surfaces within the interior of the home (ceilings and walls).

Radiant barriers **BLOCK** almost ALL of this radiant heat.

ENERGY STAR PARTNER

RadiantGUARD® double-sided radiant barrier products are the leading products on the market used by home owners, new home builders, and agricultural and manufacturing enterprises. Our radiant barriers **block 95-97% of the radiant heat** that attempts to enter building structures in the summer months or escape in the winter months helping save utility costs year round.

In the summer months, our radiant barrier products can **reduce attic temperatures by up to 30 degrees** when installed to the underside of roof rafters. Lowering attic temperatures provides a significant benefit by reducing air conditional loads and energy usage. Radiant barriers can also:

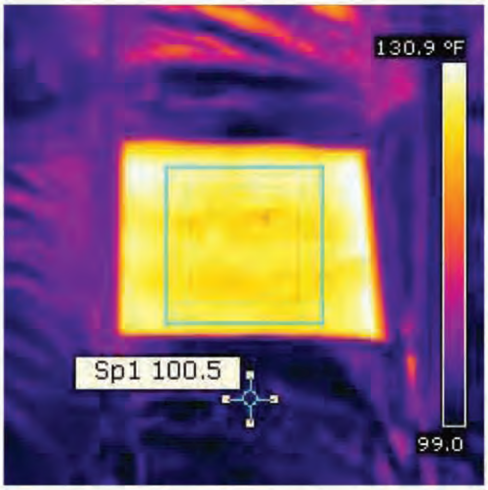
- Reduce heat transfer from attic to living spaces by up to 50%,
- Extend the life of air conditioning units,
- Increase the comfort level of a home, and
- Reduces utility costs year-round
    - Keeps heat out during warmer months
    - Holds heat in during cooler months

RadiantGUARD® Radiant Barrier Thermal Imaging Results

The following images provide a visual of how effective a radiant barrier is against blocking radiant heat from a residential roof deck from entering an attic space. The images were taken from the attic floor viewing upward to the radiant barrier attached to the underside of the roof decking.

The image below was taken on a 95 degree sunny day with a standard 35mm camera. It shows a 20" X 20" cut out of the **RadiantGUARD®** exposing the roof decking above.

This image below was taken immediately thereafter with a FLIR i7 infrared camera. It shows the same 20" X 20" cut out of the radiant barrier. The temperature readings from the surface of the **RadiantGUARD®** average approx. 100 degrees. The temperature readings of the roof decking surface average approx. 130 degrees; 30 degrees hotter than the surface of the radiant barrier.



RadiantGUARD® Radiant Barriers meet the California Insulation Standards and the Standard Specifications for Sheet Radiant Barriers for Building Construction Applications **ASTM C1313**.

Made In the USA

Capturing The SUN

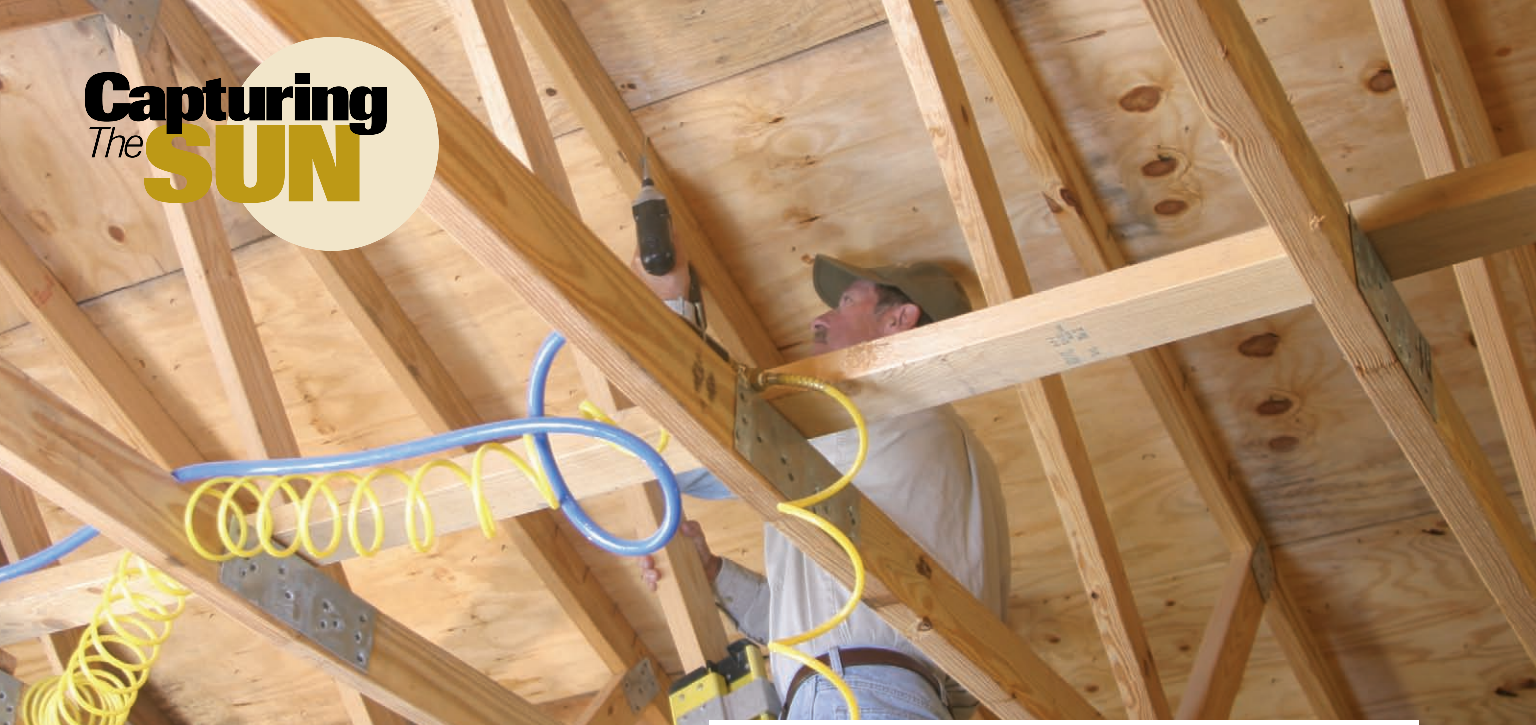
By Monte Burch

Tubular skylights bring natural light indoors.

Roof mounted skylights have been used for many years to bring the sun into our buildings, and these days a wide range of skylights are available. Tubular skylights can capture more sun than traditional skylights, even for small areas, and also provide more versatility. These units are also a basic do-it-yourself project and are available in a wide range of sizes and brands, such as Velux, Solatube, Sun-Dome, Sun Pipe and Sun-Tek.

While many skylights are more complicated, you can install a sun tube, such as the Sun-Tek Sun Tube shown in this article, in less than an afternoon. Instructions and everything you need come with the kit, including special leak-proof roof sealant. Sun-Tek's tubes consist of three parts, a sun-dome for the roof, a tube to channel the light, and a diffusing system to disperse the light evenly.

As many have discovered, a simple skylight is often not the answer. It can provide light, but the light intensity

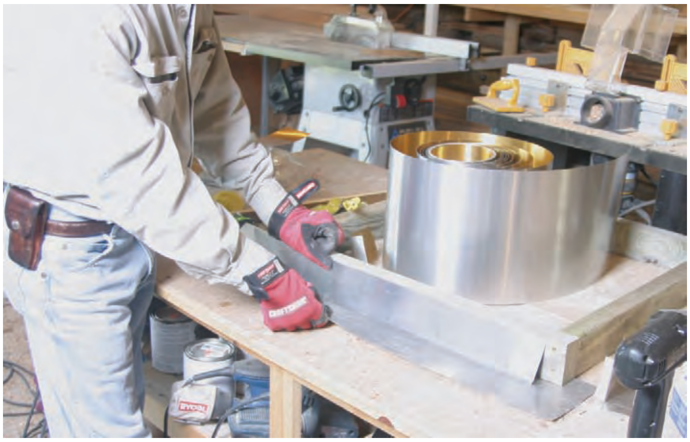


First step in installation of the unit shown is to mark the opening for the cut-out. Measure carefully, making sure the opening is square, then drive screws up through the roof sheathing and shingles for each corner of the opening.

changes with the amount and direction of the sun. You can have a "hotspot" of light on bright sunny days. Sun tubes eliminate this problem, providing evenly dispersed light throughout the area. And, they can also be used to direct light down through an attic and into a small area, such as a narrow hallway, even a dressing closet. As shown here, they make excellent light sources for outdoor workshops.

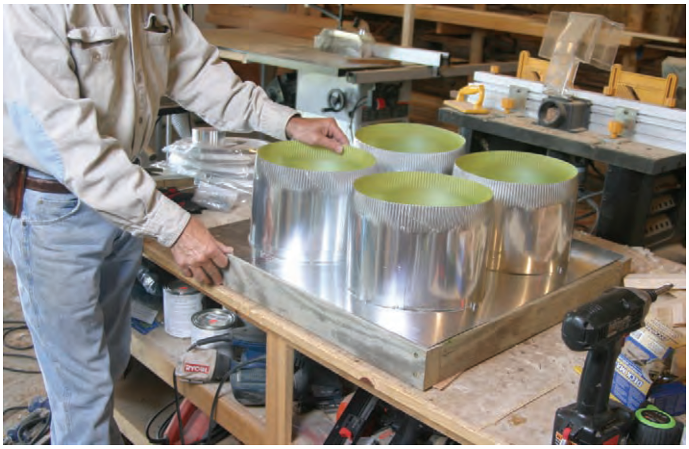
A CLOSE LOOK AT THE TUBE

The Sun-Tek's tubular skylights are available as single units, with tube sizes of 10, 14 and 21 inches and with tube lengths ranging from 10 to 30 feet, depending on the unit chosen. They can illuminate an area of 150 to 450 square feet. The one-piece seamless construction of the tube creates a completely leak-proof unit, and the exterior dome is made of super-tough



A 2x4 or 2x6 curb or frame is then constructed. It should fit with its inside edges flush with the opening. Treated lumber, waterproof glue and deck screws were used for this assembly.

A sun port with four tubes fits over the curb. It's a good idea to make sure it fits before you install the curb on the roof.



Trim Houses.
Not Margins.

Materials	$143
Labor (4.5 hrs.*)	$181
	$324.00

TOTAL COST
19%
LESS

Materials	$220
Labor (1 hr.*)	$44
	$264.00

Out Of The Box and On The House

Why use trim that you have to work for when you can use trim that works for you? Right out of the box, Fypon urethane millwork is ready to install. There is no need to prime, glue or fabricate pieces on the job site, and the quality is always consistent. Fypon trim provides a beautiful look without the hassle, saving you time and money. For all your trim needs, Fypon has you covered from peak to plinth.

** Material and labor costs are based on a field study conducted in June 2009 and represent the average material and labor costs of the participants; figures have been rounded. For complete detailed information regarding the study, visit www.fypon.com.*

FYPON®
It's How You Finish.

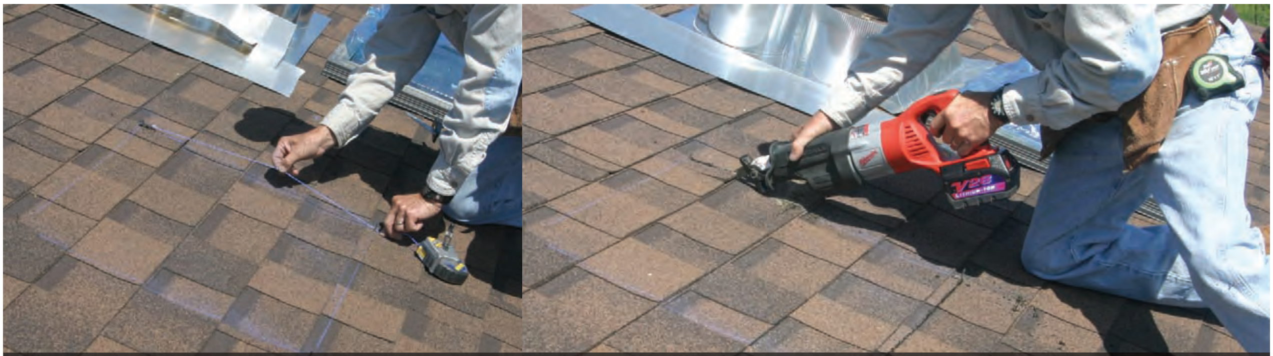
www.fypon.com • 800.446.3040

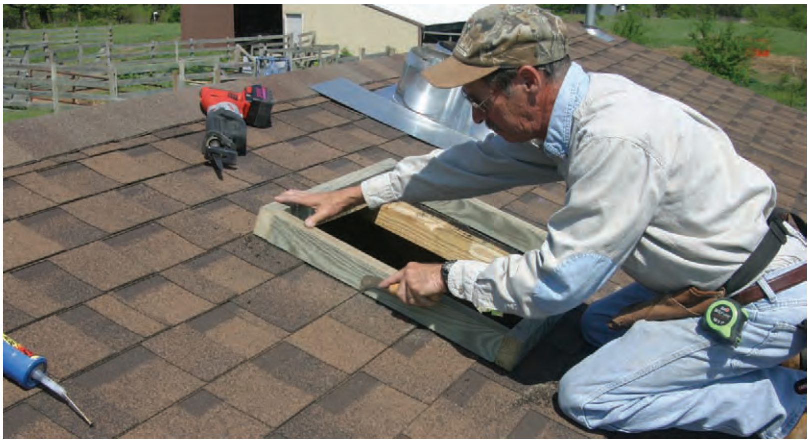
polycarbonate that is impervious to hail and tree branches. The dome blocks 99-percent of damaging UV rays, so it is easy on carpeting and furniture. The tube is made of reflective aluminum to enhance reflectivity. Each unit comes with two elbows (15 inches in length when straightened) and one straight piece. Straight connectors are 22 inches long. In most instances additional straight connectors are needed. Also included in each kit is the diffuser lens, one tube of STS 1000 Sun-Tek butyl sealant, 10 yards of generic duct tape, and a galvanized steel (22-inch gauge) roof collar that can be used by the homeowner in the event they cut the roof opening too large. Extension connectors are available, as well as light kits that allow you to use the units for night-time lighting.

The company also offers multiple-tube units, called Sun-Tek Spyder Systems, which are available with two or four tubes and a single dome skylight. These are more complicated to layout and design, as well as to install. However, they do allow for much more dispersal of light by spreading out the tubes and diffuser. For instance, the Model Quad 10-inch provides

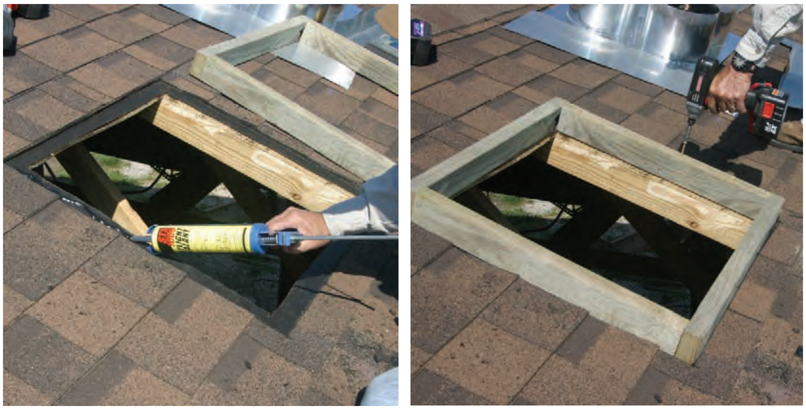
A skylight fits over the port and curb. Again, it's important to check for fit.

The curb must be flashed into the shingles, and you can make up some of the flashing pieces before you get on the roof.

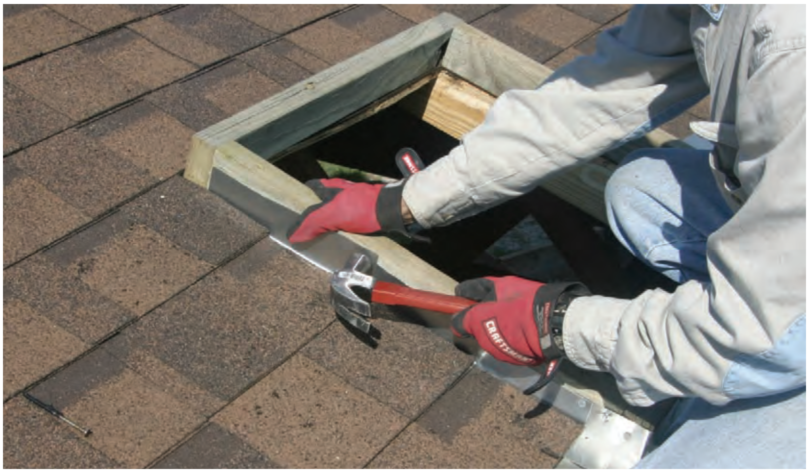

On the roof, snap a chalkline between the protruding screws to mark the outline of the cut-out. Then cut along the chalkline through the shingles and roof sheathing.



Lay the assembled curb on the opening and cut all around the outside edge through the shingles and down to, but not through, the roofing felt. Remove all shingles in the area of the curb.



Using the Sun-Tek STS 1000 Sky Light sealant, run a bead around the location of the curb. Then fasten the curb in place using screws provided (driven at an angle), or from beneath. I used 3-1/2" deck screws I had on hand, driven down from the top.



Next step is to flash the curb and shingles. This can be hand-cut flashing, or a flashing kit available from Sun-Tek. Flashing must be sealed well with sealant.

four tubes, each with light capabilities of 150 square feet.

We chose a Model Quad 10-inch Spyder System for installation in a woodworking shop. The installation is somewhat different, in that the shop ceiling had not yet been installed. This not only made it easier to install the skylight, but permitted easier photography. We installed a Curb Mount Aluminum Skylight which required construction of a curb, as well as standard roof-flashing steps. Self-flashing models are also available.

INSTALLATION

The model we choose requires a 22-1/2-by-22-1/2-inch cutout, which allowed it to fit between our 24-inch spaced roof trusses. First step in this type of installation is to determine the location of the skylight as well as the tube lenses. Then mark the location of the cutout and drive wood screws up through the roof and asphalt shingles from the inside or underside of the roof. Up on the roof, use the protruding screws and a chalkline to outline the cut-out. Then make the cut-out with a reciprocating saw.

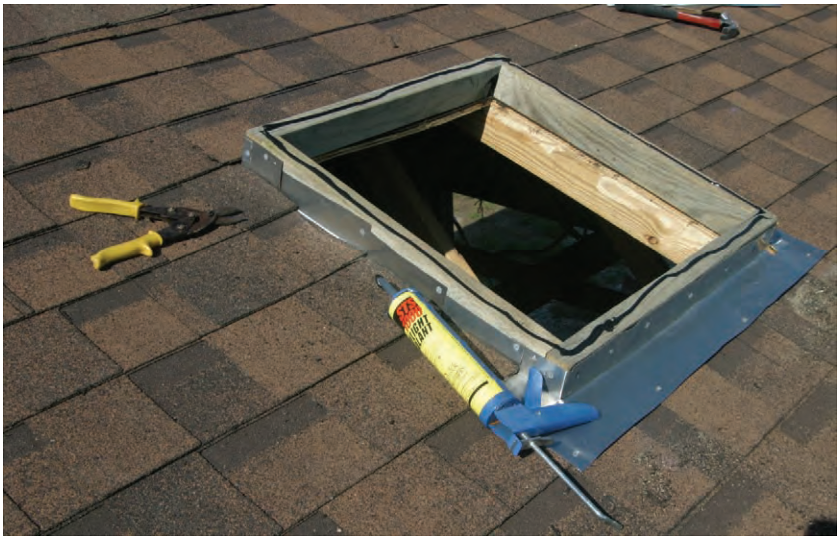
We used pressure-treated 2-by-4's for construction of the curb. It's a good idea to construct the curb, and then test the sun port and skylight for fit before installing it on the roof. The curb is made to fit with its inside edges flush with the cut-out. Place the curb over the cut-out and mark around the outside edges. Then remove the shingles down to the roofing felt using a sharp utility or roofer's knife.

For the installation shown, on-site flashing is added. This begins with a flashing along the bottom edge, a piece of flashing placed under each shingle and lapping up the sides, then a top flashing. Flashing must be anchored to the curb with roofing nails, and the entire assembly must be well caulked with a good roofing sealant.

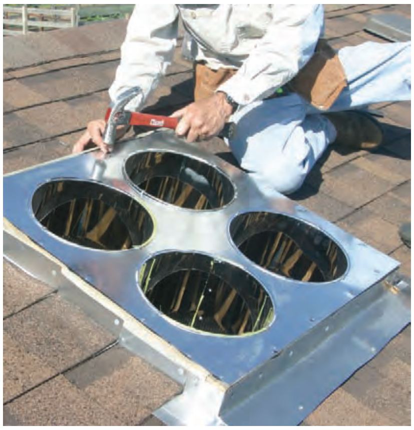
Place a bead of roof sealant on the upper edges of the curb and fit the sun port down over it, then fasten in place with roofing nails. Place another bead of caulk over the outer edge of the sun-port and place the skylight down over it. Then fasten the skylight in place with the screws provided through the holes in the sides and into the curb.

Back off the roof and in the attic, position the sun tubes in place. Pieces of duct tape can be used to hold them temporarily together until you get them arranged as desired. Then mark locations for the ceiling holes and cut them. Once you have the tubes arranged to meet the holes, fasten the tubes, elbows and sunport drops together using the sheet metal screws provided. Then wrap with the duct tape provided. Final step is to install the diffuser lenses.

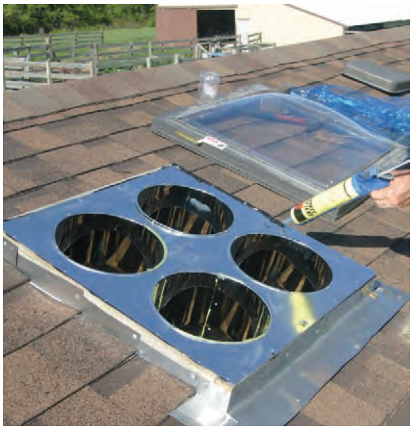
Capturing the sun is fun and easy with the tubular skylight systems. You can easily install them yourself to bring in the sun and brighten your home interior anywhere you please. **EHT**



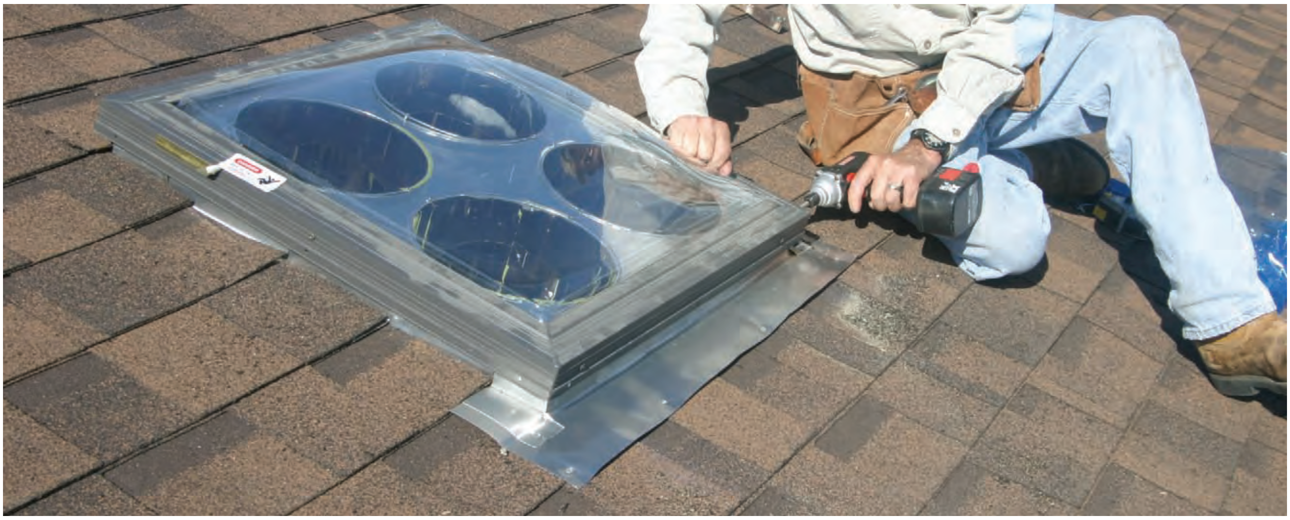
The sealant supplied with the kit is then applied to the top of the curb.



Then the sun port is installed and fastened in place with nails or screws.



Sealant is applied to the top edge of the sun port.



The dome is positioned in place and fastened with screws to the curb.

A Tiling Breakthrough

DO IT YOURSELF.

EASY AS 1, 2, 3!

BONDERA™
Tile Adhesive on a Roll

To learn more visit BonderaTileMatSet.com
It's quick. It's clean. It's durable. No dust. No odors. No VOCs.

GRACE

In the attic the tube extensions and/or elbows are assembled to the sun port.

The tubes, elbows and extensions are held together with self-starting screws provided. Then duct-tape is wrapped around the joints.

The bottom lens sections are then positioned in place. They are held with straps anchored to the rafters, as well as screws and tape.

Final step is to snap the lens in place. In most instances this would be after the ceiling has been installed, or after a hole has been cut in the ceiling.

TUBE SKYLIGHTS THAT FLEX

For simple, quick installation, a flexible Velux Sun Tunnel can easily provide natural light in smaller bathrooms, entry areas or hallways, pantries, walk-in closets or other smaller, confined areas. One of the key components in The Sun Tunnel system is its fully patented, flexible, reflective tunnel that fits around virtually any obstructions from the roof to the ceiling. The ability to flex without the need for elbows or extensions means that Sun Tunnels can be installed in places many other products cannot reach. Naturally, the shorter, tighter and straighter you install the tunnel, the better the performance, but Sun Tunnels are installed every week in hard-to-reach areas, sometimes with 90-degree bends in the tunnel, and are still performing well.

This tunnel is similar in structural design to the tubing used for many decades in the heating and air-conditioning industry. Sun Tunnel has taken this time-proven technology and added a space-age, UV-proof liner to the inside in order to channel sunlight efficiently through attics to dark rooms. The clear dome on the roof is made from UV-resistant materials, nearly eliminating harmful UV rays before they can even reach the tunnel, which guarantees that the flexible tunnel will perform for many years to come.

Flexible Sun Tunnels are available in 14- or 22-inch diameters. All Sun Tunnels are available with optional electric light kits allowing them to illuminate the living space at night. And impact models are available for hurricane-prone areas.

To order, compare models, or for more information on the full line of Velux Sun Tunnels, visit www.millworkforless.com or call 1-866-865-8887.

Goddard Spiral Stairs

- **CUSTOM DESIGNED**
- **HANDCRAFTED**
- **BUILT TO YOUR SPECS!**

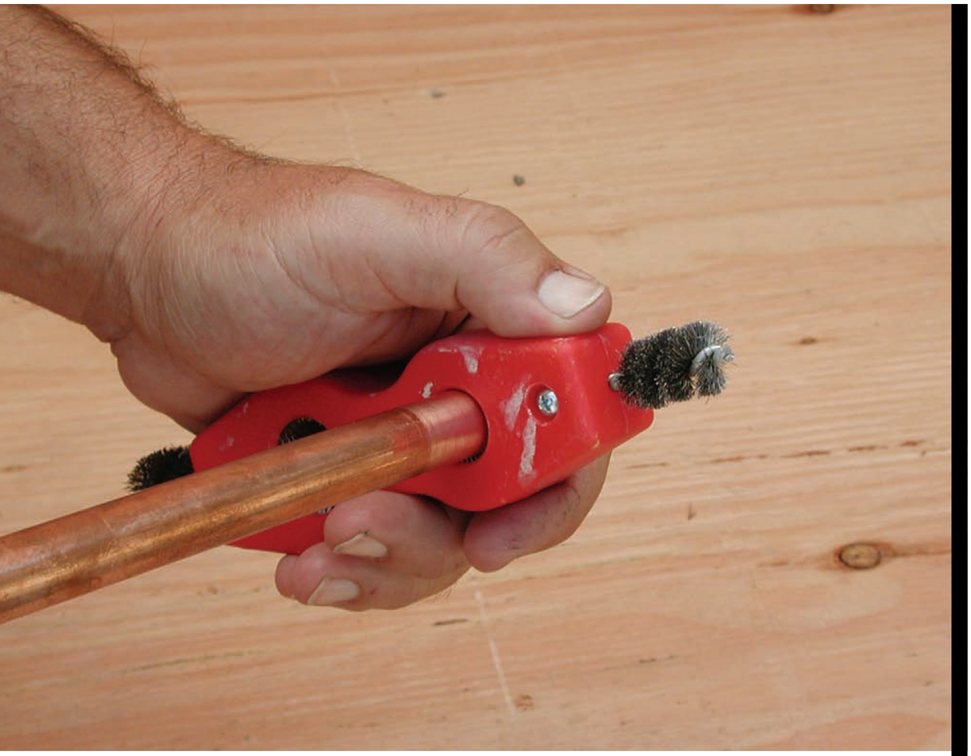
At Goddard Manufacturing Co., we specialize in custom designed, handcrafted spiral staircases - built to your specifications. You can choose from several different styles of spiral staircases and our professional craftsmen can custom design a spiral staircase to fit almost any application.

Goddard Manufacturing Company
PO Box 502, Logan KS 67646

Toll Free: 800-536-4341

www.spiral-staircases.com

Working with Copper Pipe



Remove tarnish from the copper pipe and fitting with a cleaning tool.

By Don Geary

It is probably safe to say that copper water line pipes are in the majority of American homes and for good reasons. Copper is relatively easy to work with, it is accepted by plumbing codes, does not impart any objectionable odors or flavors to water, and it resists mineral deposits found in most domestic water supplies. Copper pipe is also easy to modify or repair. While PVC pipe is less expensive, it's typically used for waste and venting, or in premanufactured homes.

A few basic and specialized tools are required for working with copper pipe and are a worthwhile investment for your tool box. These include a cutter, cleaning tools and a propane or MAPP gas torch. Other common tools that you probably own include a tape measure, drill/driver and spade drill bits (for boring holes in framing members), damp rag, spray bottle filled with water, safety glasses and gloves.

Specialized plumbing tools will help you to achieve professional results. For example, copper pipe can be cut with a hack saw, but this approach will usually result in rough, uneven edges on the pipe. A pipe cutter, on the other hand, will help you make a clean, square cut and enable you to make a good joint every time.

There are a number of ways to clean copper pipe and fittings prior to soldering (steel wool or emery cloth, for examples) but, the most effective way is to use a tool that has been designed for the task. The four-in-one tool shown is popular with plumbers and will clean the interior of fittings and the exterior of copper pipe in both 1/2- and 3/4-inch sizes. This tool will quickly remove dirt and oxidization and increase your chances of a good solder job.

A propane torch is necessary for soldering, and there is a variety available. While professional plumbers commonly use a 5-pound tank of acetylene connected with a hose and torch, the do-it-yourselfer can get by quite well with a handheld, self-contained propane unit. If you are shopping for a propane torch, look for one with an auto-ignite feature and locking on/off switch or button.

The best type of solder for working with copper pipe does not contain lead. In fact, building codes require leadless solder for domestic water lines because lead-based solder can leach into the water standing in the pipe. Even minute amounts of lead in drinking water can pose health risks, especially for children, the elderly and people with compromised immune systems. Leadless solder can be any combination of tin, silver, antimony

Aerosol Spraying Made Easier!

INTRODUCING

CAN GUN 1®
Spray Can Tool

NRHA
PACKAGING AND MERCHANDISING AWARDS
Silver Award Winner

Spray Paints • Lubricants • Adhesives & More
CAN GUN 1
Spray Can Tool
Recycled Plastic
MADE IN USA
MEMBER TESTED HANDYMAN AND RECOMMENDED
BUY WITH TOTAL CONFIDENCE
Exclusive FullGrip™ Trigger
Up to 8x Easier to Spray
Professional Results
Easy To Use With Gloves
Highest Grip Comfort
Ergonomic Design & Arthritis-Friendly™
Easy On & Off
Reusable
IMPORTANT: Read ALL INSTRUCTIONS ON BACK BEFORE USE!
UNIVERSAL FIT
For All Standard Spray Cans

Patent Pending - U.S. Design Pat. # D592,953

EXCLUSIVE FEATURES:

- *E-Z Pull* **FullGrip™ Trigger**
- *Up To 8X Easier To Spray**
- *Easy To Use With Gloves*
- Fits ALL Spray Cans! ▸ Reusable
- Made In USA ▸ Recycled Plastic
- Suggested List $3.99 ea.

MADE IN USA
5
PP
Recycled Plastic
CAN GUN 1

MEMBER TESTED HANDYMAN CLUB OF AMERICA AND RECOMMENDED
BUY WITH TOTAL CONFIDENCE

Avail. At: Ace Hardware • SKU# 1390657
Lee Valley Tools • P.N.# 27K0690
Tractor Supply • SKU# 1038713

Call Now
800.743.0115

up to **8X EASIER TO SPRAY**
*than other products in this category.

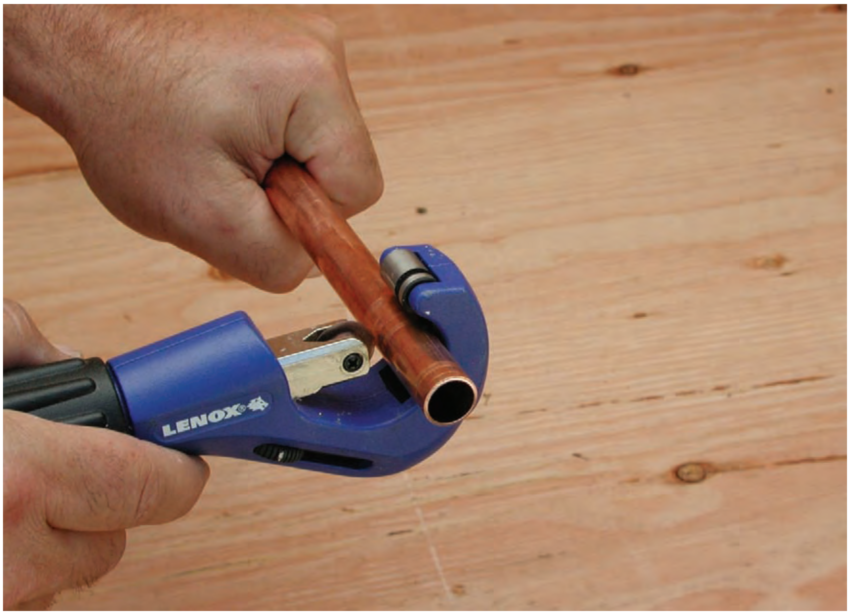
©2010 SafeWorld™ Int'l., Inc. info@cangun1.com cangun1.com

and bismuth—all safe for potable water systems. Leadless solder is commonly sold in 1-pound rolls and has a higher melting point than lead/tin solder.

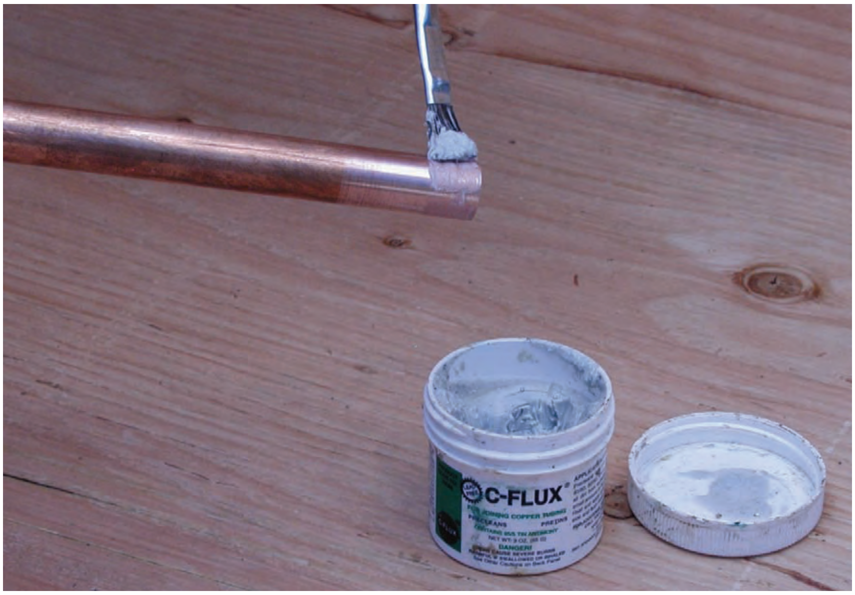
PLAN THE PROCEDURE

In new construction, with the walls open, working with copper pipe is relatively easy. Remodeling or repair work, on the other hand, requires considerably more work because the pipes are commonly concealed behind existing walls. This will typically involve removing wall coverings and boring holes in framing members. Once the plumbing has been completed and checked for leaks, the wall coverings must be reinstalled and finished.

Whether new or remodeling, all copper pipe work begins with a plan. Basically, what do you want to accomplish? Plan for as few soldered joints as possible. Next, determine the materials required for the task, and have them as well as extra parts on hand before beginning. For example, if you are installing a new cold water line that requires 10 feet of 1/2-inch copper pipe, two elbows and a valve or faucet, buy several elbows and male or female connectors. Then, if something goes wrong, you will have the extra parts on hand, and will not have to stop work and go out to purchase more materials or parts. It would be a



While copper pipe can be cut with a hack saw, a much better cut will be made with a pipe cutter.



Apply flux to copper pipe and the interior of fittings with a small brush.

JOIN COPPER WITHOUT SOLDER

Just-For-Copper pro
NSF
JACO

Just-For-Copper Pro solderless copper bonding is an easy and fast way to permanently install or repair rigid copper pipe and fittings. JFC Pro is formulated for use on all rigid copper and alloy copper pipes, and all copper and brass connectors and fittings that are used to carry potable water. The product can be used on all standard ANSI fittings without heat or solder—no costly fittings required. JFC Pro takes only three steps: Sand, apply, insert and twist 360 degrees. Find out more at www.justforcopper.com.

ONE STEP BEYOND™

HARDWOOD DECORATIVE STAIR RISERS

The REVOLUTION in Home Improvement

Stairs YOU design

See IT...Believe IT...Have IT!

Shop NOW ▶

Hardwood Decorative Stair Risers will transform your stairs from functional to fabulous by covering your existing stair risers with panels of carved hardwood art. Protect your stairs from unsightly black scuff marks and never have to scrub or touch up paint again. Decorative stair risers can be used with hardwood or carpeted stair treads. Easy DIY installation with full service support. Add home value and low maintenance benefits with hardwood.

- ***Over 100 designs.***
- ***Choose from dramatic and subtle designs.***
- ***Stain to match or coordinate with your hardwood floors.***
- ***Custom designs available.***

BEFORE AND AFTER

Dramatically change the look of your home.

View our before and after photos

Style & Design Centre

Bring your design ideas to life with this interactive tool. GO ▶

DecorativeStairs.com

OneStepBeyondShop.com

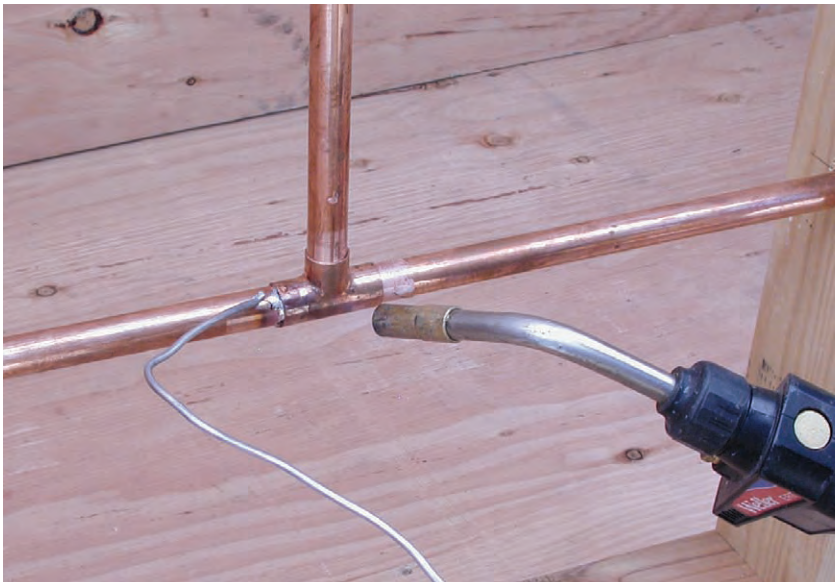
foolish waste of your time to have to stop work for an hour or more to run out and purchase a 25-cent part.

PREPPING AND SOLDERING

Measure, cut and dry-fit all parts. This will ensure that the project works before soldering. Make certain there is no strain on the run of pipe or joints, as this can result in failure over time. Next, disassemble and clean all parts to remove any surface oxidation. This will increase the chances that the joints can be joined positively. Use a specially designed cleaning tool (mentioned earlier) to make short work of cleaning copper pipe and fittings. Be sure to clean both the exterior of copper pipe and the interior of all fittings. When done correctly, the pipe or fitting interior will be shiny like a new penny.

The next step is to apply a light coating of self-cleaning, non-acid flux to all mating surfaces. Use a small ‘flux’ brush for this task. The purpose of the flux is to remove any unseen surface oxidation, to etch the copper to promote adhesion, and to help the solder bond well with the copper pipe and fitting. Now reassemble the pieces, adding strap or nail clamps where required to hold the pipe in position. If the pipe runs through framing members, additional fasteners are usually not required.

Soldering is the process of joining two copper or brass surfaces with metal. This is accomplished at less than approximately 750 degrees F. When the joint cools, it will be as strong as the copper materials it is composed of. Because of the heat generated, the potential for burns and eye injury are possible so you should always wear safety glasses and gloves when sweat soldering. If the project requires overhead soldering, never stand directly below the work. One drop of molten solder should be enough to convince you to stand to the side when working overhead.



Begin soldering by applying heat to the fitting first, then in a waving motion, to the pipe. When the pipe and fitting are at the right temperature, the solder will flow into the joint.

Solder a male fitting to the pipe before attaching to a valve.

Before you begin soldering, pull about 12 inches off the roll of solder and bend the top 3 inches to form a right angle. This professional tip will make it easier to deposit solder all around a joint.

Because the copper fittings are thicker than the walls of copper pipe, begin heating the fitting first, then apply heat to the pipe/fitting joint with a back-and-forth motion. As the joint heats up to the required temperature, the flux will begin to bubble and smoke slightly. When the pipe and fitting reach the melting point of the solder, the solder will melt when touched to the joint. Additionally, the heat of the fitting/pipe joint will draw the solder into the joint. This is the best indication that the soldered joint is perfect. Make sure you press the end of the solder around the entire joint to fill it completely—the bent end of the strip of solder will help you to apply solder to the underside and back of the joint. Additionally, having about 12 inches of solder at your disposal will keep your hand away from the flame. Move the torch away from the joint as there is probably enough heat in the joint to melt the solder. However, if the solder is not flowing, apply more heat to the joint area. Next, use a damp rag to quickly wipe off any excess solder from the joint.

When sweat soldering around wooden framing members, you must always be on the lookout for a fire. Remember the temperature of a propane torch can be as high as 900 degrees Fahrenheit—more than enough to ignite wooden wall studs, rafters or joists. To prevent a potential disaster, keep a spray bottle of water close by and if you see wooden framing members begin to smolder, spray the area with water. In most cases this small amount of water will be more than sufficient to extinguish the smoldering and prevent a fire.

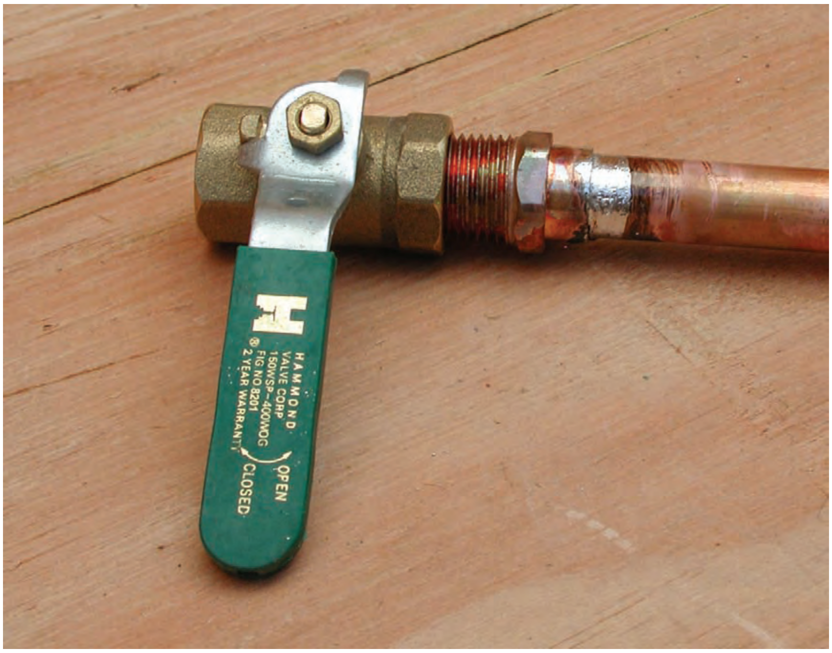
Continue soldering all joints in this manner. Keep a careful eye on the pipe and fitting and remember that the point is to heat the joint enough to melt the solder but not to blacken the copper pipe or fitting. Blackening indicates too much heat is being applied and a poor joint, with air bubbles in the solder, may be the result.

SPECIAL CONSIDERATIONS

Brass valves require special treatment when soldering, and there are two commonly used approaches. The first is to remove the valve stem, with its rubber washer, from the valve body and attach the pipe by soldering. Once the valve has cooled, reinstall the valve stem. Do not try to solder the valve with the stem in place as the heat from soldering will melt the washer and render the valve ineffective.

The second approach involves using a female threaded valve and attaching male threaded couplings to the ends of copper pipe. After the pipe and couplings cool, thread them into both sides of the valve.

Sometimes, during leak repair or when tapping into an existing water line, it will be necessary to open a water line. The first step is to turn off the water main—the line that supplies your home with water. You should know the location of this valve in your home. If necessary you can turn off the supply of water to your home at the water meter, commonly located outside your home in a box with a lid clearly marked 'WATER.' A special five-sided key may be required to gain access to your water meter service box.



This shows a ball valve with a previously soldered male fitting and pipe.

Next, turn off the water supply line to and from your hot water heater. Then open all taps in your home, including outside faucets and in the basement. This will help drain the system and eliminate any pressure in your water lines.

TAPPING A WATER LINE

There are basically two different ways to tap into an existing water line: Cut the pipe, or remove an existing fitting or valve.

When cutting into an existing water line, use a pipe cutter. This will result in a clean, square cut. Special cutters are available for working in tight places if required. If you will be installing a "T" fitting, you must take out a section of the pipe wide enough to allow for the fitting. Measure and cut carefully.

To remove an existing fitting or valve, begin by heating the fitting with a propane torch. If you plan to reuse a valve, remove the valve stem before heating. Brass valves are denser than copper pipe so apply more heat to this area. Keep an eye on the solder of the joint. At first it will be a dull color. As it begins to turn liquid, it will become shiny. When this happens use a pair of pliers or a gloved hand to separate the valve (or fitting) from the pipe. While the solder on the joint is still shiny, remove as much as you can with a damp rag. This will make it much easier to add a fitting later.

If you are repairing a leaking pipe (freeze damage, for example) it is usually best to remove the damaged section of pipe—several inches above and below the leak, if possible—and install a new length of pipe. The main reason for this, especially for freeze damage, is that copper pipes that have frozen are usually bulged to the point where a new fitting will not slip over the end of the pipe. Use double female connectors, clean and solder as described earlier.

NO SWEAT

As you can see, there is nothing difficult or intimidating about sweat soldering. A few specialized tools will make the work go easier and faster. While the technique of making perfect joints takes a little practice, it is well within the reach of the do-it-yourselfer. **EHT**

Build Decks Faster
With Our Simple, Solid Footing System.

- ICC Code tested and approved
- Strong, lightweight, and easy to handle
- Available in 10" and 16" diameters
- Suitable for post-frame construction
- Made from 100% recycled material

REPLACES CONCRETE FOOTINGS
FOOTINGPAD™
COMPOSITE FOOTING SYSTEM
NTA® LISTED GEE103107-16

Contact us for details or to purchase!
www.footingpad.com
(800) 522-2426

SHELTER-KIT

HIGH-QUALITY OWNER-BUILT HOUSE & BARN KITS

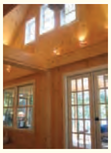
CABINS, HOUSES
& GREEN HOMES

BARNS
& GARAGES

Shelter-Kit has been designing and producing kit buildings for assembly by owners with no prior building experience since 1970. Our product line includes ourGreen Home Kit, the Unit One cabins, the modular, expandable Lofthouse, the Barn/Garage kit and our 1 1/2 or 2-story Barn-House kit. We will work with you on designing your building, we will help you obtain a building permit, we will arrange shipping anywhere, and we will be available to answer your questions before, during, and after construction. We consider every order to be a special, custom order and we will work with you accordingly.

Our cabin, home, barn and garage kits include all the materials to build a complete, weather tight shell, including the frame, siding, sheathing, hardware, roofing and sub floors. Our kits are precut and predrilled, making them easy to assemble, in 3 to 15 days for most models. All materials are selected for quality and ease of assembly and fit, with the weight of each piece limited to what two individuals can handle.

All of the terms in the instructions are easily understandable by amateurs. Each building comes with a detailed Construction Manual. The manual includes drawings and step-by-step instructions, specifically created for each customer's kit. Each of our kits can be customized to meet your individual requirements. We offer many options for building size, windows and doors, stairs, dormers, ceiling heights, cathedral ceilings, etc. We will be glad to work with you to meet your specific requirements.



We ship our kits to all 50 states, Canada and internationally. Canadian sales are duty free.

We encourage you to contact us to discuss your project.

www.shelter-kit.com

HOT PRODUCTS

SKIL POWER CUTTER

SKIL
Auto Sharp

From cutting the ubiquitous plastic that is used to package every product from Barbie dolls to drill bit indexes, to cutting materials as thick as carpet, the Skil Power Cutter takes frustrating tasks and makes them a cinch. The *EHT* staff has used the Power Cutter since its release, and although a 3.6-volt tool doesn't sound impressive, the Power Cutter handles jobs much larger than we expected. While removing water-damaged carpet, we used the cutter to remove a section of the molded material without removing the bed that covered the seam. In a kitchen makeover, the Power Cutter cut through sheets of Plexiglas without tearing the fragile material. A favorite use is cutting through the plastic packaging during holidays and birthdays. With the Power Cutter, you simply feed the plastic into the self-sharpening blade that is protected by a metal guard and cut off the edges, clean and simple. Learn more at www.skil.com.

AUTOMATED MEASURING WITH CHOP SAWS

New Bedford Tool & Gauge Co. introduces “Jobsite Automation” with SawGear, a portable, precise and rugged automated length measuring system for chop saws. “It’s the ultimate chop saw accessory,” says Brandon Vaughn of Cutting Edge Interiors, who recently tested the saw. “SawGear is tough as nails! We slapped 2-by-6’s on the stop and SawGear took it and came back for more! I won’t do another job without it.” SawGear is a tough, portable tool that attaches to your miter saw right at your job site. Just enter your dimension, position your material against the rugged stop and cut your part—no fitting or re-cutting required; it’s right every time. This tool helps framers and finish carpenters spend up to 25 percent more of their time in productivity rather than correcting inaccuracies both in cut pieces and overall assemblies. Learn more at www.sawgear.com.

SAWGEAR™
automatic length measuring

ENERGY SAVING PROJECT PERFECT FOR A FALL INSTALL

When it comes to do-it-yourself projects that will save money on energy costs, there are many new products on the market that make it possible to save hundreds of dollars over time, with just a few hours of easy installation. For example, you can achieve long-term cost-saving benefits from installing Enerflex radiant barrier foil in your attic There is even a federal tax credit, saving you up to $1,500 on the project. As temperatures drop in the Fall, installing an Enerflex radiant barrier in the attic space becomes much more comfortable. When warmer weather returns you can relax without having to turn on the air conditioner as often and as a result, enjoy reduced cooling costs, which is the main benefit of installing Enerflex barrier. Learn more at www.EnerflexFoil.com.

ENERFLEX™
Radiant Barrier
Foils the need
to crank up the air.™
• Easy to install in your attic
• No tools needed
• Reduce energy usage up to 15%
EnerflexFoil.com

The FOOTING TUBE

A division of CLIFFCORP Inc

The ULTIMATE Concrete Pier Form!!

VOTED #1 By Contractors!

10/12"
8"
6"
FTB30

Shift Happens!!!

Be Sure Your Project Doesn't!!

Easily Installed in Any Weather

www.foottube.com

- Footing and tube incorporated in single pour for added stability and strength.
- Works in frost prone areas to 5 ft. depths.
- Safety Top keeps pets, rocks, rain, children, etc. from falling into tube prior to pouring concrete.
- Efficient co-ordination of concrete and excavation. No need to strip form or wait to backfill.
- Compaction of backfill material can be done prior to pouring of concrete.
- Easy to use, labour saving installation.
- The form will not break down under wet conditions.
- Tapered design allows frozen ground to move freely and not freeze to pier.

Be sure your project stays where you put it, by starting on the right foundation!!

Made in Canada from
Recyled Polyethylene

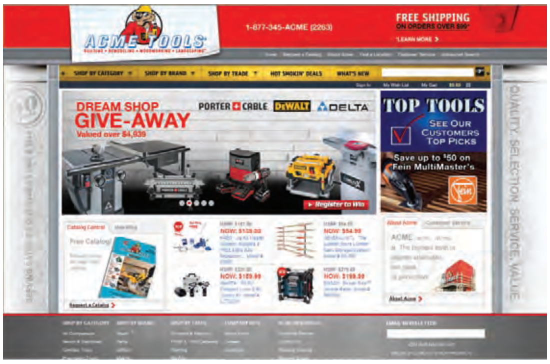
Canadian Patent # 2,179,701
US Patent # 6,318,700

CCMC Evaluation # 13309-R
ICC Evaluation # ESR - 2424

HOT PRODUCTS

ACME TOOLS ONLINE

Acme Electric has reentered Internet retailing under the brand name Acme Tools. The new acmetools.com website features the latest e-commerce technologies and e-retailing's finest assortment of tools, equipment and accessories in the industry. The new site provides maximum availability and response time performance to optimize the shopping experience. More than 10,000 products will be offered on the site, which provides unique features and functions for consumers researching their purchase or comparison-shopping online. Acmetools.com is the only tools and equipment website supplying extensive product specifications for every product and providing customers the exclusive option of shopping by trade, category or brand. The company stocks over 174,000 products from 3,100 manufacturers, serving the building, remodeling, woodworking and landscaping needs of tradesmen and do-it-yourselfers. Learn more at www.acmetools.com.


ACME TOOLS
1-877-345-ACME (2263)
FREE SHIPPING ON ORDERS OVER $99
DREAM SHOP GIVE-AWAY
Valued over $4,939
PORTER CABLE
DEWALT
DELTA
TOP TOOLS
See Our Customers Top Picks
Save up to $50 on Fein MultiMaster's
QUALITY. SELECTION. SERVICE. VALUE.

Wood Gasification Boilers
BioMass and Eko Line Boilers

BioMass 60

BioMass
The Next Generation of Induced Draft
Multi-Fuel Gasification Boilers
Fuel Source:
- Seasoned Wood
- Corn Cobs with Kernels
- Coal (50%)
- Saw Dust
- Wood Chips (50%)
- Any kind of Pellets

BioMass Boilers

Model	kBtu
25	85
40	140
60	205
80	275

BioMass
Combo Boilers
Models 25, 40 and 60
Wood - Oil - Gas

EKO LINE BOILERS

Eko Wood
Gasification Boiler

Model	kBtu
25	85
40	140
60	205
80	275

Leading the Way to Clean, Efficient Heating

New Horizon Corporation
1-877-202-5070
(304)765-7171
www.newhorizoncorp.com

ELECTRIC TOWEL WARMER

Imagine wrapping yourself in the soothing embrace of a warm towel upon stepping from your shower or bath. Nothing adds luxury and comfort to your master bathroom like the soothing radiant heat of an electric towel warmer from WarmlyYours. Stylish, affordable and energy efficient, our towel rack warmers capture the essence of a professional spa in your very own home. WarmlyYours offers friendly 24-hour installation support to ensure that all customers get the most attentive service possible, exactly when they need it. Detailed installation instructions are provided whether you choose to install the towel warmer yourself or have a professional carry out the job for you. Learn more at www.warmlyyours.com.

PowerBilt™
Steel Buildings, Inc.

Covering America Coast to Coast

Need A One Or Two Car Garage?

PowerBilt Steel Buildings
Make Your Dreams Come True!

Beautiful – Affordable – A Pleasure To Own

FACTORY DIRECT – DELIVERED TO YOUR DOOR

Factory supplied endwalls run vertically
Accent your building with colored door trim

Add Color to your Building! *(Optional) Factory Endwalls Run Vertically*

Endwalls	Trim	Arches
LIGHTSTONE	LIGHTSTONE	LIGHTSTONE
POLAR WHITE	POLAR WHITE	POLAR WHITE
SAHARA TAN	BURNISHED SLATE	
PEARL GRAY	FERN GREEN	
HAWAIIAN BLUE		

Optional - Factory Colored Endwalls Available in A, P and S models Only.

PowerBilt is the answer to your storage problems. These highly durable buildings are comprised of a special steel alloy developed by the US steel industry to withstand the worst that Mother Nature has to offer. PowerBilt buildings are not only remarkably affordable, but can be erected in a matter of days without the need for special tools or equipment.

Powerbilt's manufacturing facility is the only arch manufacturer to offer colored arches! Combined with our colored steel endwalls, colored arches offer a completely colored arch steel building with the same do-it-yourself construction, strength and maintenance free qualities, with huge savings.

The Ultimate Garage in full color
For cars, mowers, lawn & gardening supplies

www.powerbiltbuildings.com

800-547-8335

HOT PRODUCTS

EASY WAY TO INSTALL HARDWOODS

Elastilon provides a fast and easy way to install high-performance hardwood floors from 5/16 inch to as thick as 1 inch, requiring no nails or adhesives. Elastilon Self-Adhesive Underlay Membrane can be used on any surface, even concrete, solving the issue of solid hardwood not being structurally stable on a slab and reducing a traditionally complex installation to an easy three-step, peel-and-stick process. It helps turn a basement living space into a warm, pleasant environment. The Elastilon membrane gives cushioned comfort underfoot, and reduces airborne and impact sound transmission. For nearly a decade, Elastilon has changed the way hardwood floors are installed in Europe and is now available in North America with a limited 70-year warranty. For more information, visit www.elastilonusa.com

ENERGY STAR-COMPLIANT THERMA-TRU DOORS

Energy savings is a top priority for homeowners, and when it comes to meeting the new criteria of the government-backed ENERGY STAR program, Therma-Tru exterior door systems have you covered. "Even with the new criteria, almost all of Therma-Tru's fiberglass and steel entry door systems meet these strict ENERGY STAR guidelines and are also National Fenestration Rating Council (NFRC) Certified," says Steve Jasperson, code and regulatory compliance manager for Therma-Tru. "Consumers who choose ENERGY STAR-rated products for home renovations can significantly reduce their energy bills. Therma-Tru fiberglass doors offer up to four times the insulation of wood due to their polyurethane foam core. This essentially creates an energy-efficient barrier in the door, stabilizing the interior temperatures and therefore decreasing energy costs." Learn more at www.thermatru.com/energystar/.

Stress Crack Tape™

Peel

"Repair your Stress Cracks once and for all"

"Patented, 100% US Made"

Stick & Paint

"Strong & Flexible"

*Repair cracks in drywall, or plaster.
*Self adhesive, paint ready.
*Feathered edges blend into wall surface.
*No Skills, no Sanding, no Mud, no Mess

Buy at Sherwin Williams (vendor #0027540686)
ask for sw 972-6605, or sw 969-5347
or use discount code xht-810 online at:
www.StepSavers.com
888-778-4537

Compressor Power At Your Side!

The JacPac Power System is a revolutionary compressed gas system that can operate all standard pneumatic tools!

IDEAL FOR

Punch List!

Service calls!

Repairs & Maintenance!

DIY Projects!

UNIVERSAL

Standard quick connect fittings will accommodate all pneumatic tools!

Easily adjust pressure to suit tool!

Operates anywhere between 20psi to 120psi.

RECHARGEABLE SYSTEM

CO2 Tank is easy to refill!

CO2 refills are quick & inexpensive!

CO2 power delivers 100's of shots per tank!

JACMORR®
JacPac®
CO2
POWER SYSTEM

For dealer inquiries & product information
www.jacpacco2.com

To order JacPac **CLICK HERE**

HOT PRODUCTS

TWO-STAGE PUMP IN A WHEELED COMPRESSOR

Jenny Products' new W5B-30P two-stage, electric-powered compressor is a portable wheeled unit designed to produce high air flow while meeting the demands of tough jobsites. The W5B-30P includes a 30-gallon air tank and features Jenny's "W" pump, a four-cylinder, two-stage pump with long piston strokes for producing large volumes of air at high pressure ratings. It delivers 18.1 CFM at 100 PSI or 17.9 CFM at 175 PSI. The pump is belt-driven by a 5-horsepower electric motor, which requires a 230-volt, single-phase electrical source. Features include a directional air shroud and a large flywheel for keeping pump temperatures low. Also, Jenny's professional-duty "Ultimate Blue" synthetic pump oil protects the unit's pistons, crankshaft, bearings, rings and cylinders through a splash lubrication system. The compressor's thermal overload protection helps prevent costly damage to the motor and two fully pneumatic tires allow easy maneuvering and positioning. Learn more at www.jennyproductsinc.com.

Jenny
AIR COMPRESSOR

ADVANCED TIG WELDING DVD

For the burgeoning DIY welder, Ron Covell's "Advanced TIG Welding" DVD video is now available from Miller Electric Mfg. Co., which features how-to tips and instruction developed for hobbyists and home fabricators looking to become more proficient with the TIG welding process. This easy-to-follow program by recognized metalworking expert Ron Covell is a follow-up to his successful "TIG Welding Basics" DVD and covers many advanced topics in TIG (GTAW) welding, including welding chrome-moly steel, stainless steel, aluminum, magnesium, bronze, copper and titanium. Viewers can benefit from Covell's clear guidelines for using pulse and wave-form adjustments that many new TIG machines have, along with practical advice on machine setup, joint preparation and weld finishing. For more information on this 111-minute instructional video, visit www.millerwelds.com or visit Ron Covell's Web site, Covell.biz.

COVELL
DVDs
Advanced
TIG Welding
Miller
Contributing Sponsor

Now You Can Install Solid Hardwood Floors In Any Room.

NO NAILS, NO GLUE.

Throw out the nails and glue, because there's a dynamic new way to install high-performance solid hardwood floors.

Elastilon®, a patented resilient underlay membrane, allows solid hardwood floors up to 1" to be installed over any surface, even above and below grade concrete. The new, 1/8" thick peel-and-stick membrane can cut installation time in half and simplifies this job so even a home handyperson can do it.

Elastilon takes solid hardwood into every area of the home, even the bathroom or basement.
No subfloor is needed – Elastilon's elastic, impermeable polyethylene construction can handle up to 3.9% moisture content in the floor underneath, and a higher M.C. with a vapor barrier. It is suitable for under-floor heating systems and can be used with any type of solid hardwood flooring, including woods with high-expansion characteristics, such as bamboo.

Elastilon prevents the gapping, warping or buckling that can occur with nailed or glued floors, and accommodates the wood's natural expansion and contraction. **Elastilon has a limited 70-year warranty**.

U.S. GREEN BUILDING COUNCIL MEMBER

Member NWFA National Wood Flooring Association

Elastilon®

TOLL-FREE (877) 526-9663 www.elastilonusa.com
www.elastilon.ca

GRKFASTENERS™
ÜberGrade™

Chances are that, if you're a professional builder, you've used screws made by GRK Fasteners, a family owned company based in Thunder Bay, Canada. 2010 marks the 20th anniversary for this brand which has become a favorite of timber framers, carpenters and woodworkers everywhere. Founded in September of 1990 as a subsidiary for Reisser Schraubentechnik GmbH from Germany, GRK's beginnings were marked with uncertainty, as the recession of the early 90's sent Reisser in Germany into bankruptcy. The Walther family, which had already been managing GRK, took over the reigns of GRK Fasteners in 1993 and built it into a leading fastener manufacturer trusted by professionals around the world. GRK's products have been specified and used in the restoration of UN world heritage sites such as the Germany's Cologne Cathedral, as well as century old exploration outposts built in Antarctica by Sir Robert Falcon Scott.

GRK has become known for providing the toughest screws in the industry. Whether your job includes doors, concrete, plastic, sheet metal, composite or wood decking, GRK's line of patented fasteners has you covered. Screws are available in many different styles, steel and stainless steel and are made in lengths from 3/8" to 39.5".

Innovation has been what has defined GRK over the past two decades. Its patented fasteners include the Top Star shim screw which lets users perfectly set doors without the use of shims. The Vinyl Window Screw was added to fulfil the same function when installing vinyl replacement windows. The RSS Rugged Structural Screw provides unmatched strength and does not require pre-drilling, even in its ultimate length of 39.5". The R4 multi-purpose screw works great in virtually any application and material you can think of. The Caliburn concrete screw delivers up to 5700 pounds of pull out per screw and GRK's Trim Head screws provide the smallest screw heads found anywhere in the world. And best of all, GRK's exclusive Climatek coating is AC-257 certified by the International Code Council for use in pressure treated lumber.

……

For more information on GRK Fasteners, please visit their website at www.grkfasteners.com.

GRKFASTENERS.COM
ÜberGrade™
RSS

PIRIT™ HEATED HOSE

It flows when it's freezing.

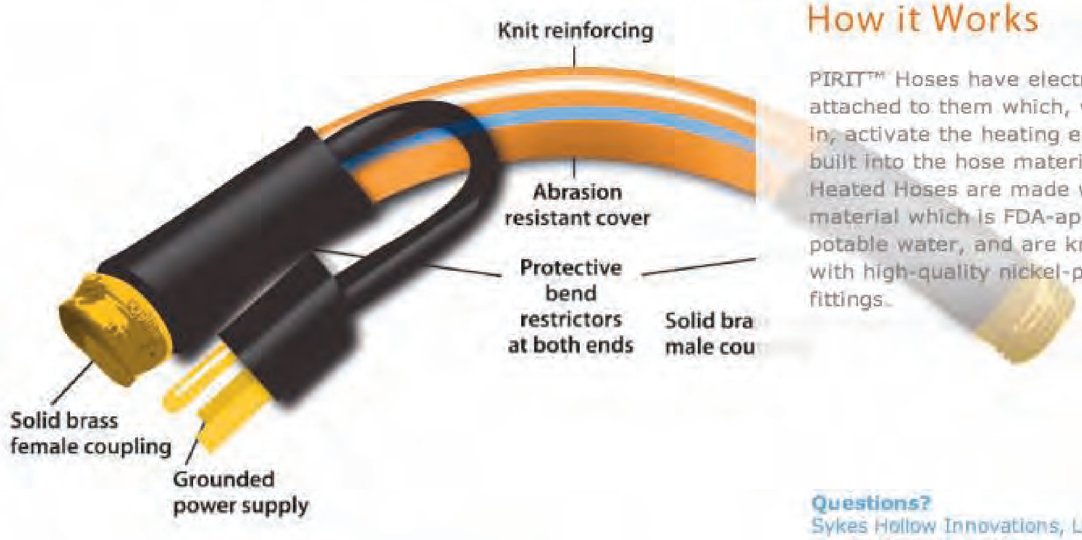
The **PIRIT™ Water Line** is for anyone who needs to use a hose in below-freezing temperatures. Depending on need, leave it plugged in 24-7 or simply plug it in only when in use. The thermostatically controlled Water Line is set to activate the heating element if the ambient temperature outside the hose is +/- 45 degrees F. and to turn off the heating element of the ambient temperature reaches +/- 57 degrees F. If left plugged in, it will never allow water to freeze inside. If left unplugged with water inside, the water will freeze. Just plug it in before use, give it a few minutes (depending on how cold it is outside) to thaw and you'll have running water again.

The PIRIT™ Water Line has been certified to UL and CSA safety standards for outdoor electronic products.

NOW Available in 3 Lengths!

[CLICK HERE] To Order Online

25' *$99* | **50'** *$139* | **100'** *$199*



How it Works

PIRIT™ Hoses have electrical cord sets attached to them which, when plugged in, activate the heating element which is built into the hose material. All PIRIT™ Heated Hoses are made with PVC material which is FDA-approved for potable water, and are knit-re-enforced with high-quality nickel-plated brass fittings.

www.pirithose.com

Questions?
Sykes Hollow Innovations, Ltd.
dba PIRIT™ Heated Hose
278 Airport Road
Manchester Center, Vermont 05255
888 PIRITHH (747-4844) or (802) 549-4671
info@pirithose.com

MET c us
UL 499
CSA C22.2 no. 72
E112826

The PIRIT™ Water Line has been certified to UL and CSA safety standards for outdoor electronic products.

Save 62%

All this for ONLY $29.95

($79 combined retail value)

TESORO CUBANO
HECHO A MANO
ENCORE
DON LUGO
THOMPSON
Cordoba
DOMINICAN REP

©2010 Thompson Cigar Co.

It's the complete package for the smoker: twenty Thompson handmade, imported Dominican cigars, a dependable windproof lighter, and a solidly constructed cedar-lined divided humidor whose quadrant hinges, humidification system and hygrometer make it a veritable vault to protect your puros. This exquisitely fashioned humidor is handsome enough to grace any smoker's desk.

At the low, low price of $29.95 for a regular $79 value, this really is quite an offer. I'm making it to introduce new customers to Thompson & Co., America's oldest mail-order cigar company. Since 1915 our customers have enjoyed a rich variety of cigars and smokers' articles. Cigar sizes may vary.

Holds up to 40 cigars

Promo Code T9045 **1-800-882-1607**

www.thompsonspecials.com Use promo code **T9045** for special pricing

Get your Classic Combo 20 now! 20 top-notch handmade cigars, cedar-lined humidor and windproof lighter for ONLY $29.95 + $4.95 shipping (#926859). (All shipments to AK, HI, Guam, Virgin Islands and Puerto Rico must go priority mail - add an additional $10.00. *Florida residents add 6% sales tax + appropriate county tax).* Remittance of any taxes on orders shipped to a location outside of Florida is the responsibility of the purchaser. *In the event we are out of a Premium brand, Thompson reserves the right to substitute another premium brand cigar or size, of equal or greater value. Lighter style may vary due to availability. All written orders MUST include your signature and date of birth. Limit one per customer.*

OFFER GOOD FOR 30 DAYS • NOT AVAILABLE TO MINORS AND GOOD ONLY IN THE USA

AUCTION – BID on Your Favorite Cigars! Start *as low as $1*
Go to: **www.thompsoncigarauctions.com** updated daily!

We now carry these highly popular brands: • Swisher Sweets • Phillies • Black & Mild • Dutch Master • Garcia Vega and more... Go to: www.popularsmokes.com

Dutch Masters
PANETELA
SWISHER SWEETS
CIGARILLOS
SWISHER SWEETS

1915
THOMPSON
&CO., INC.

America's Oldest
Mail Order Cigar
Company, Est 1915
P.O. Box 31274
Tampa, FL 33631-3274
Fax: 813-882-4605